

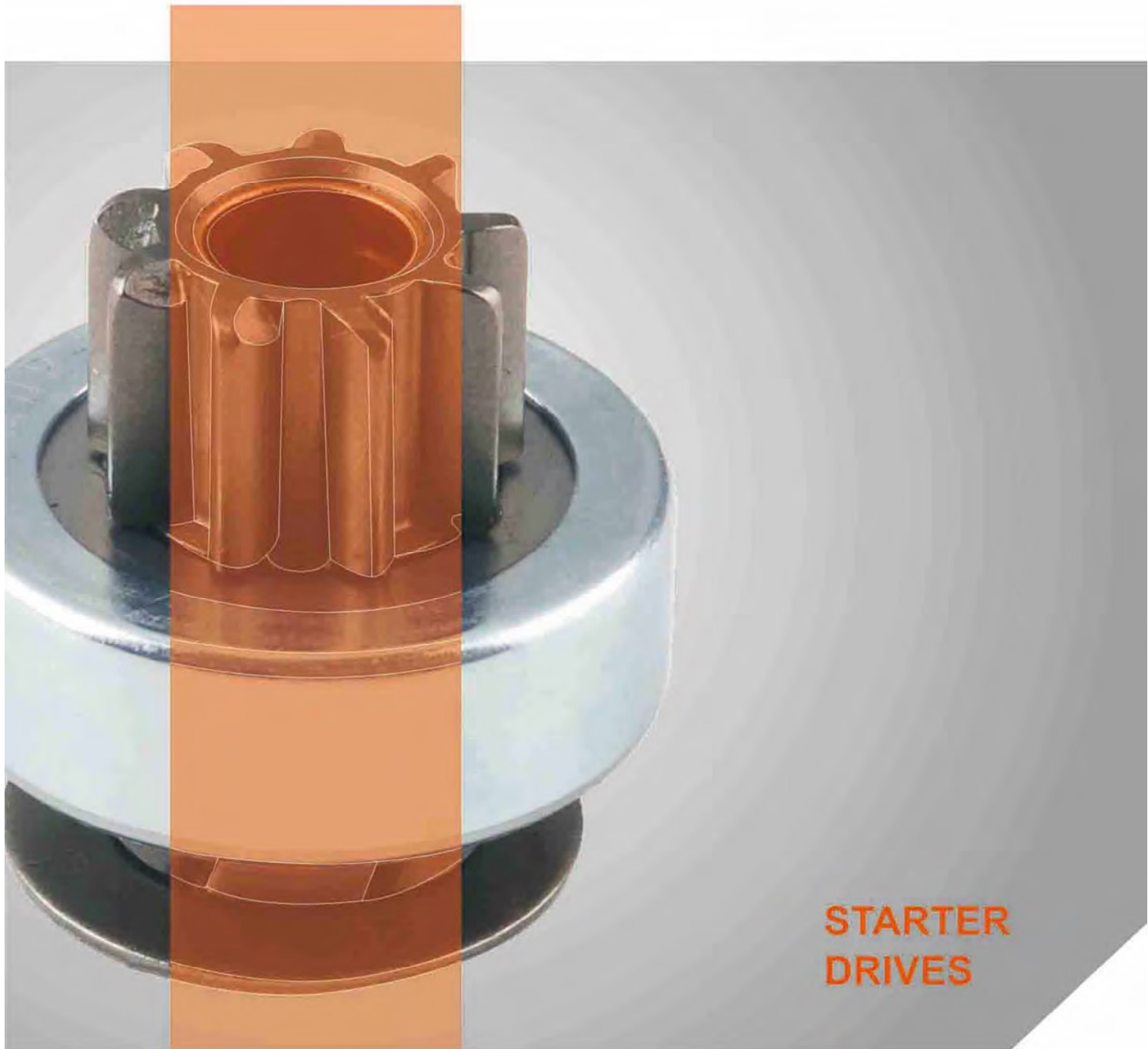


Advantages of using a overrunning alternator pulley

- Heavy duty designed for long service life
- Dampens drive belt vibration
- Reduced belt slippage during rapid acceleration or deceleration
- Reduced stress on drive belt and other accessory drives
- Increased alternator and drive belt life
- Reduction of drive belt noise
- Improvement in variation of drive belt tension

**OVERRUNNING
ALTERNATOR
PULLEYS**

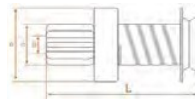




**STARTER
DRIVES**

Product Series

STARTER DRIVES



T = NO OF TEETH
SPL=NO OF SPLIN

18009



| | |
|-----|------|
| T | 9 |
| G | 25.8 |
| L | 64 |
| SPL | 10 |
| ID | 12 |
| D | 47.5 |
| CW | |

| Ref:OEM | | Application | |
|---|---|---|---|
| Alfa Romeo 105120503003 105120503008 116080503000 116080503014 116460503000 116460503002 | Chrysler 5206603 CH-1929 Delco C2003 Fiat 82327386 Volkswagen 9936602 9937705 Ford 76EB11350AA 77AB11350BA 77EB11350AA 77EB11350BA 78MU11350A 79VB11350AA D6RY11350B D6RY11350C SD305 SDE306 ITALACCIAI SD436 General Motors 09307667 Lancia 82327386 | Lucas TMB448 TMB480 MB 0001517113 Opel 1203176 1203179 90094041 Citroen 583547 Renault 7701024177 7702124054 Saab 8332934 Volvo 1266673 243909 CARGO 130396 WAI 54-9129 ZEN 1. 01. 0108. 0 GHIBAUDI 2921 | For :Bosch 157, 208, 211, 311, 314 Series DD Starters Alfa Romeo : 2000 - ALFA SUD - ARNA, 75, 90, GIULIA Super - ALFETTA, GT Junior - Spider - GTV - F 12 Audi : 100 SERIES LS 1977 L4 1.9 GAS 80 - 100 1.8/1.9/2.0 - 200 BMW : 320, 323 i, 520, 523 i, 528 Citroën : BX 14, C 22 - 25E LNA VISA - VISA II Fiat : DUCATO RITMO 75, X 1/9 Five Speed, STRADA CUSTOM 1982 L4 1.5 GAS Ford : CORCEL , DEL REY, GRANADA General Motors : CHEVETTE Lancia: DELTA 1.5 GAMMA 2.0, PRISMA 1.5 Mercedes : 200 - 220 - 230 - 250 - 280 - L208 - L308 Opel : ASCONA B/C BLITZ CF, CORSA, REKORD D Peugeot : 104, 504-504 V6, 604 V6, J5, 505 S 1989 V6 2.8 GAS, 505 STX 1989 V6 2.8 GAS Porsche : 924 Renault : FUEGO MASTER 2.0, R 18, R 20, R 30 TRAFIC 1.4 - 1.6 - 2.0 Saab : 900 Turbo Seat : IBIZAMALAGA RONDA Talbot : SAMBA SOLARA - 180 - 1610 Vauxhall : ASTRA CARLTON, CAVALIER Volkswagen : PASSAT 5 SA , NTANA 5 Volvo : 140, 142, 164, 240, 260, 360, 760 |

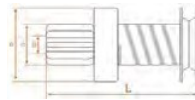
18044



| | |
|-----|------|
| T | 9 |
| G | 25.8 |
| L | 58.5 |
| SPL | 10 |
| ID | 12 |
| D | 47.5 |
| CW | |

| Ref:OEM | | Application | |
|--|--|--|---|
| Bosch 1006209503 1006209504 1006209506 1006209509 1006209513 1006209526 1006209528 1006209530 1006209531 1006209536 1006209548 1006209563 1006209567 1006209570 1006209572 1006209573 1006209582 1006209597 1006209598 1006209619 1006209684 1006209685 1006209693 1006209694 1006209700 1006209701 1006209702 | Bosch 1006209705 1006209707 1006209709 1006209711 1006209906 1006209939 F000AL1514 F000AL1516 F000AL1534 F000AL1698 F000AL1700 F000AL1877 BMW 12411722844 Volkswagen 02A911023 026911335 026911335A 035911335B 035911335C 036911335A 049911335A 068911335B 068911335E 068911335H Fiat 9941314 | Ford 82GB11350AA 87GB11350BA General Motors 90273737 Mercedes 0001519113 Saab 7527724 Volvo 1363534 Italacciai SD437 Lucas TMB455 TMB570 CARGO 131104 132658 333176 WAI 54-9140 ZEN 1. 01. 0482. 0 GHIBAUDI 3190 | For :Bosch 108, 110 Series PMGR; 114 Series PMDD; 208, 211 Series DD Starters Alfa Romeo : 145 1.3, 155-164, 33, 75, 90 Audi : COUPE CUSTOM 1984 L5 2.2 GAS, COUPE DELUXE 1984 L5 2.2 GAS, COUPE GT 1987 L5 2.2 GAS, QUATTRO SPORT 1985 L5 2.2 GAS, 80-80 Quattro-90-100 - 200 Fiat : Marea ELX 1.9 JTD, Marea Weekend ELX 1.9 JTD, Palio Weekend ELX Turbodiesel, PANDA 750, Siena EX / ELX Turbodiesel, Stilo 1.9 JTD, UNO 45, 1000 Ford : CAPRI, GRANADA, SCORPIO Jeep : CHEROKEE CHIEF 1988 L4 2.5 GAS, BMW : 325 E, 325 i, 525 E Eagle : PREMIER LX 1989 L4 2.5 GAS Citroën : AX, BX, LNAII, VISA, ZX Diesel Lancia : Y 10 1.0 - 1.1 Touring Mercedes : 190 - 190 E - 200 - 230 Opel : ASCONA C, KADETT E Peugeot : 106, 205, 305, 309, 405, 505 Renault : R 11, R 18, R 18 Turbo, R 9, TRAFIC Saab : 90, 900, 900 Turbo 16v, 9000 Seat : AROSA 1.4, IBIZA 1.0 Talbot : HORIZON;GT;SOLARA 1.6 Volkswagen : FOX;GOLF;JETTA;PASSAT;POLO; SCIROCCO Volvo : 740 2.2 - 2.3 |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18054



| | |
|-----|------|
| T | 9 |
| G | 34.7 |
| L | 91 |
| SPL | 10 |
| ID | 14.3 |
| D | 60 |
| CW | |

| Ref:OEM | |
|--|--|
| Bosch 2006209492 2006209529 2006209530 2006209536 2006209930 2008209008 F000AL1897 9008044082 | Italacciai SD443 CARGO 131065 235701 333190 WAI 54-9123-1 ZEN 1. 01. 0367. 0 GHIBAUDI 1555 |
| Fiat 79034927 8122157 9959619 Delco 19024520 19025715 KHD 42487785 Valeo A631144A Volvo 1696543 6211932 Mercedes 0001518813 | |

| Application |
|--|
| For: Bosch 362, 363, 366, 367, 368 Series DD Starters ABG: ALEXANDER - PUMA - TITAN Agrifull: 80 - 105 Carraro: TIGRONE 765 Claas: CONSUL - CORSAR Fendt: FARMER 108 - 200 S - 306 Fiat Allis: 65 - 70 - 75 - 130 - 150 - 159 - 850, S 9 - SL 9 - SR 9 Fiat Iveco: 65.10 - 70.10 - 75.10 Harvester: YUMBO 3944-3945-3960-3961 Kaeble: SL 12 C Kassbohrer: S 208 H KHD: D 4006 - 4506 - 5006 - 5506 Lamborghini: 653-654-684-754-854-904 Linde: H 20 D - 25 D - 30 D - 35 D Lombardini: LDA 673 - 674 - 833 - LDAM 674 Mercedes: 1017 - 1414 - 1417 - 1614 - 1617, L 911 - L 1017 - L 1113 - L 1513, L . 613 - L . 911 - L . 1113 - L . 1313, U1000 - U1200 - U1300 - U1450;302 OTOBUS Seat: CORDOBA 1.6, IBIZA 1.4 16V Volvo: F 406, 407, 408, 409, 613, 616, LM 621, 641, 841, 845, 846;YAVUZ KAMYO Zettelmeyer: L 800, L 1000 - EUROP S 8, S 10 |

18063

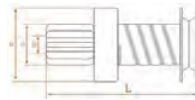


| | |
|-----|-----|
| T | |
| G | |
| L | 165 |
| SPL | |
| ID | |
| D | |
| CW | |

| Ref:OEM | |
|---|--|
| Bosch 2003162001 2003162005 2003162006 2003162007 2003162016 2006162001 2006162005 2006162006 2006162016 2006401527 | MAN 81262256003 CARGO 130317 333732 WAI 54-91400 ZEN 1. 01. 0133. 0 GHIBAUDI 3539 |
| DAF 244606 570923 Fiat 1290205 79052241 9926536 Ford 78HB11350AA Iskra 16. 909. 013 Mercedes 0001510633 Remy 19024391 19024909 | |

| Application |
|---|
| For: Bosch 413, 414, 415, 416, 417, 418 Series DD Starters Asia Motors:Compressor AX430. Case: P4-carregadeira W36, W36B c/ motor Cummins e Scania. Trator Agricola 2470 e 4490. Caterpillar: Grupo Gerador 3304T, 3306T. Moto Scraper 631E. Fiat Allis: Trator de Esteiras AD14 c/ motor Scania. Fiat Iveco: Caminhão - todos c/ partida Bosch KB. Komatsu: Trator de Esteiras D60A D60E, D60F, D65A, D65E, todos c/ motor Cummins N855. Massey Ferguson: Trator MF4780c/motorScania DN11. Mercedes:Caminhão MB858, MB866, MB868, MB856. Caminhão1519, 2019, 2219, 2220 (OM355-5), 1520, 2020 (OM355-5), 1524, 1525 (OM355-5A), 1924 (OM355-6), 2624, 1924A (OM355-6A), 1929 (OM355-6A), 1932 MWM: Motor D232, TD232. Scania: Caminhão L, LS, LT 110 (D11), L, LS, LT 110S (DS11). Volkswagen: Caminhão VW14. 170, VW14. 210, VW16. 170, VW16. 210. Volvo: Caminhão NL10, 210, NL10-340, NL2-400, N10, N12. Chassi p/ ônibus B10M, B58E. |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18068



| | |
|-----|------|
| T | 8 |
| G | 28.4 |
| L | 56 |
| SPL | 4 |
| ID | 12 |
| D | 45.6 |
| CW | |

| Ref:OEM | | Application |
|--|--|--|
| Bosch 1987BE0013 | Mitsubishi MD607894 | For: Mando, Mitsubishi DD, PMDD Starters Hyster: Empilhadeira c/ Motor H45, 60XM, todos c/ partida Mitsubishi - MD. Hyundai: Accent GLS.Excel HB20 1.0,Pony.Sonata 2.4e 3.0,Stellar. Kia: Picanto 2010 FLEX ,Sephia GTX 1.5 16V, SLX 1.6 8V, a partir de 94. Sportage c/motor OHC 16V a gasoline Mazda: 323 1.3e1.5,MX 5(Miata) 1.6e1.8. Mitsubishi: Celeste c/ motor GP 25/30, todos c/ partida Mitsubishi MD. Galant c/ motor GP 25/30, c/ partida Mitsubishi MD. Sapporo c/ motor GP 25, 30, todos c/partidaMitsubishi MD. Starion c/ motor GP 25, 30, todos c/partidaMitsubishi MD Tredia, c/ motor GP 25, 30 , todos c/partidaMitsubishi MD. Suzuki: Samurai.Sidekick ano 94.SJ 410, SJ 413. Vitara 1.6 16V. |
| Ford E7GZ11350A | MD611372 | |
| F4BZ11350A | M191T22071 | |
| SDE332 | M191T22371 | |
| SDE349 | M191T22771 | |
| Ishikawajima 185866240 | M191T22971 | |
| General Motors 96063635 | M191T23071 | |
| Kia 36139-11140 | M191T23471 | |
| Mando 3EM0779C | Nissan, | |
| Mazda B630-18-X45 E356-18-X45 | Infiniti 23312-L1110 | |
| | 23354-42L10 | |
| | 23354-42L11 | |
| | Suzuki 31320-79030 | |
| | 31320-82130 | |
| | 31320-82139 | |
| | 31320-82631 | |
| | WAI 54-8306 | |
| | CARGO 132005 | |
| | ZEN 1.01.0450.0 1.01.1778.0 | |
| | GHIBAUDI 1629 | |

18072



| | |
|-----|------|
| T | 8 |
| G | 28.4 |
| L | 51 |
| SPL | 8 |
| ID | 12 |
| D | 45.6 |
| CW | |

| Ref:OEM | | Application |
|-----------------------------------|------------------------------|--|
| Bosch 1987BE0043 | Nissan 23312-42670 | For: Mando, Mitsubishi PMGR Starters General Motors: Tracker Hyster: Empilhadeira Hyundai: ELANTRA, i30 PONY,Santa Fé2008, Sonata SONATA 2.4 - 3.0, STELLAR Stellar, Tucson Jeep: EAGLE 1.6 - 1.8 - 2.0 T Mitsubishi: Eclipse ECLIPSE 2.0 T GALANT 2.0 - 2.4 - 3.0 Montero, Mirage, Expo Pajero, SIGMA ,TREDIA 2.0 4G63,4G93 Nissan: GA 15, GA16 Suzuki: Sidekick ano 94 Sidekick ano 94. Vitara |
| General Motors 96063636 | 23354-42L70 | |
| Kia Hyundai 36145-32500 | 23357-04E10 | |
| 36145-32510 | Suzuki 31320-86030 | |
| Mando 3EM0955 | CARGO 132011 | |
| Mazda AM15-18-X25 | WAI 54-8313 | |
| Mitsubishi 41871 | ZEN 1.01.0595.0 | |
| MD611211 | GHIBAUDI 1848 | |
| M191T12070 | | |
| M191T12071 | | |
| M191T12471 | | |
| M191T18171 | | |

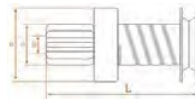
18095



| | |
|-----|---------|
| T | 20 |
| G | 14.7 |
| L | 117/135 |
| SPL | |
| ID | 67 |
| D | |
| CW | |

| Ref:OEM | | Application |
|--------------------------------|----------------------------|--|
| Ford E3TZ11350A | Mitsubishi 76171 | For: Mitsubishi OSGR Starters HYUNDAI : H1 - MAZDA: 2200 - 2200 PICK-UP MITSUBISHI: 2000 - 3000 - CANTER 2000 - FORK LIFT - NISSAN: 3300 - 3500 - YALE: FORKLIFT |
| E3TZ11350B | M357C71671 | |
| SDE331 | M357T61671 | |
| SDE321 | M357T71671 | |
| Mazda 8599-24-740 | M357T72971 | |
| Nissan, | M357T76171 | |
| Infiniti 23314-T9000 | M357T84181 | |
| Onan 191-1445 | M357X82877 | |
| | MD700121 | |
| | ME700121 | |
| | CARGO 134966 | |
| | ZEN 1.01.0957.0 | |
| | WAI 54-83401 | |
| | PNE MT-M1 | |
| | GHIBAUDI 1832 | |
| | APC-105 | |
| | 4D30 | |
| | 4D31 | |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18101



| | |
|-----|------|
| T | 20 |
| G | 14.7 |
| L | 110 |
| SPL | 5 |
| ID | |
| D | 60 |
| CW | |

| Ref:OEM | | Application |
|---|---|---|
| Mitsubishi M191X67571 M191X67585 M191X67685 M191X67771 M191X67871 M191X67885 M191X68271 M191X68671 M191X93571 M357X67871 ME701487 ME701648 ME701651 | CARGO 139819 231371 WAI 54-83415 ZEN 1. 01. 0887. 0 PNE MT-N1 6D17 | For: Mitsubishi PLGR Starters Used On: (2000-94) Ford 7.3L (Diesel); Caterpillar Caterpillar: 320B Mitsubishi 24v FORD(USA): PICKUP 7.3 D - VAN 7.3 D - TURBO - MITSUBISHI: CANTER - |

18117



| | |
|-----|------|
| T | 9 |
| G | 32.5 |
| L | 70 |
| SPL | 12 |
| ID | 14 |
| D | 61 |
| CW | |

| Ref:OEM | | Application |
|--|--|---|
| Hitachi 2120-3500 2120-35001 2120-7500 2120-7530 2120-7550 2130-35001 2130-7550 2250-35002 Isuzu 5-81113-0170 5-81123-0020 5-81123-0070 5-81123-0160 9-82121-2380 Thermo King 44-2910 | Toyosha 8115-3015-00 8115-3062-00 CARGO 131984 WAI 54-8105 ZEN 1. 01. 0376. 0 PNE HT-201 GHIBAUDI 3217 APC-03/184 | For: Hitachi DD Starters HYSTER: P 40 - 60 - Isuzu: ASKA 2.0 DIESEL KBD 20 d KBD 25 2.0 d KBD 30 d KB10 diesel KB - KBD 41 2.0 - NKR 2.8 - TL 2.4 DIESEL - Jeep: RENEGADE 2.4 DIESEL - Komatsu: Varios fork lift Massey Ferguson:210-4 Nissan: CABSTAR -PICK-UP - URVAN 2.2 - 2.3 - 2.5D - KING CAB - 720 2.2 - 2.3 - 2.5D - TCM EQUIPMENT Ag: FORKLIFT SD25Z1 4BA1, C190, C240, DA640, C190M |

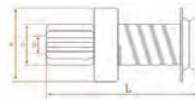
18121



| | |
|-----|------|
| T | 9 |
| G | 36 |
| L | 100 |
| SPL | |
| ID | 64.6 |
| D | |
| CW | |

| Ref:OEM | | Application |
|--|--|--|
| Ashdown Ingram DRX70403 DRX73450 CIVIC/DA PARTS 532299 Hitachi 2240-2500 2240-8400 2240-8500 2240-9500 Isuzu 8-94152-9750 8-94365-5480 8-94334-9760 8-94365-4800 | CARGO 139841 PNE HT-B0935 GHIBAUDI 6259 ZEN 1. 01. 1858. 0 4BC2 APC-152 | ISUZU: NKR 3.3 D 4BC2 - NPR 3.3 D 4BC2 -Unit SUN 4BB1, 4BC1, 4BC2, 4BD1, 4BE2, 4BG1, 4HF1, |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18127



| | |
|-----|------|
| T | 9 |
| G | 36 |
| L | 87 |
| S L | |
| ID | |
| D | 53.2 |
| CW | |

| Ref:OEM | |
|---|--|
| Hitachi 2114-15507 2114-45014 2114-85501 2130-1502 2130-65001 2130-65008 2130-75004 2130-95007 GD307391-B | Nissan, Infiniti 23312-03J00 23312-10G00 23312-11M00 23312-6T000 23312-W1700 23354-V0700 23357-V0700 |

| Application |
|--|
| For : Hitachi OSGR Starters Nissan: Cabstar t135 CD 17 CD 20 Cherry 1.6 Forklift Patrol Diesel 3.3 D Stanza Sunny 1.6/1.7 D Vanette D |

18129



| | |
|-----|----|
| T | 11 |
| G | 48 |
| L | 86 |
| SPL | 16 |
| ID | 19 |
| D | 71 |
| CW | |

| Ref:OEM | |
|--|---|
| Nissan 23313-99106 23313-99214 23313-99215 23313-Z9001 23313-Z9002 23313-Z9006 Nino 28011-1360 28011-1361 28011-1480 28011-1500 28011-1570 28011-1580 | SAWAFUJI 1360-005-10 1361-050-00 1361-050-00X0 1361-050-11 1361-050-11X0 1361-050-20 1361-050-20X0 1361-063-00 1361-063-00X0 1361-066-00X0 1361-067-00X0 1361-067-10X0 |

| Application |
|--|
| HINO: ENGINE EK200 EM100 EP100 PSW-05000 ; DRIVE 6KW RF8, RE8; SAWAFUJI; 11T EM-100, PE6 |

18136

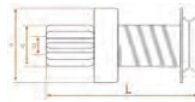


| | |
|-----|------|
| T | 9 |
| G | 29.5 |
| L | 82 |
| S L | 5 |
| ID | 12.5 |
| D | 47.5 |
| CW | |

| Ref:OEM | |
|--|---|
| Bosch 1987BE0009 1987BE0023 Denso 028300-0660 028300-0900 028300-0901 028300-0911 028300-1950 028300-1951 028300-2240 028300-3350 028300-3351 028300-3710 028300-3750 028300-7590 | Kubota 14278-63041 Toyota 28011-15010 28011-41020 28011-41021 28011-60010 28011-60040 28011-60041 28011-87506 28011-87509 |

| Application |
|--|
| Daihatsu: Charmant. Delta. Honda: Ballade1500 86-90 Civic L4 1.3L/1.6L 1590cc 97cid Civic 1300, 2V, 1335cc EW2/3 Civic 1300, 1343cc D13B1, 1300, 16V, 1400, 1500, D15B2, 1500, D15Z. CRX L4 1.5L 1493ccWagovan L4 1.5L 1487cc Jacobsen: T-422D Kubota D950 Diesel 1985-1996 Kubota: Hauler KC5 ZH600B Dsl. Engine Mower - Front F2000 D950-FM 20HP Ds Tractor-Compact B1550D TEX D850-5B 17HP Dsl Tractor - Compact B6100T D650-B 14HP Dsl Onan: Engine Medium Duty 2L600 Kubota Toyota: Carina 1.4, 1.6, 2.0. Celica 1.4, 1.6, 2.0, 2.2, 2.3. Corolla Corona 1.4, 1.6, 1.8, 1.9, 2.0, 2.2, 2.3, 2.6. Crown. Dyna, FJ 60. Europe Car -Corona 2000, FJ 60 Hi-Ace 2000 1978-1983 Hi-Lux 2000 1979-1984 Pickup L4 2.0L 1968cc Starlet L4 1.3L 1290cc Tercel L4 1.5L 1452cc Truck- Pickup L4 1.9L 1858cc 113cid Universa: Engine - Marine M-25 Kubota D- 850, 21 HP, 3cyl Dsl. 1981-1986 Engine - Marine M-25 XP Kubota D-950, 23HP, 3cyl Dsl. 1986-1993 Engine - Marine M-25 XPA Kubota D-950, 23HP, 3cyl Dsl. 1994-1999 |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18157



| | |
|-----|------|
| T | 11 |
| G | 29.5 |
| L | 68 |
| SPL | |
| ID | 14 |
| D | 52 |
| CW | |

| Ref:OEM | |
|--|---|
| Bosch 9001133219 9001336219 | Lada CT221-3708600 2101-03708620 |
| Femsa 1706110 | 2101-3708620 2101-3798620 |
| Fiat 4154293 | 21013708620 |
| Marelli 4243124 | 74866611 |
| 4156064 | 74867401 |
| 4162784 | 74874241 |
| 4475122 | 85540271 |
| | 85540751 |
| | Italacciai SD108 |
| | Lucas TMB620 |
| | CARGO 130738 |
| | WAI 54-9306 |
| | ZEN 1. 01. 0213. 0 |
| | GHIBAUDI 2674 |

| Application |
|---|
| For : Marelli DD Starters |
| Ferrari: 208 GT-308 GT-365 GT-512 BB |
| Fiat: 124 SPIDER 1978 L4 1.8 GAS, 124 Sport - 125, 130, 131, 132 |
| Lada: NIVA; 1200 - 1500;2104;2121 |
| Lancia: BETA HPE 1978 L4 1.8 GAS, BETA SCORPION 1977 L4 1.8 GAS, BETA 2. 0, TREVI 2. 0 |
| Seat: 124 - 131 - 132 - 1430 |

18161



| | |
|-----|------|
| T | 8 |
| G | 28.4 |
| L | 75 |
| SPL | 5 |
| ID | 11 |
| D | 41.5 |
| CCW | |

| Ref:OEM | |
|---|------------------------------|
| Denso 028300-5800 | CARGO 135651 |
| Toyota 28011-55010 28011-87508 | ZEN 1. 01. 0951. 0 |
| Suzuki 31320-51A10 | PNE ND-120A |
| | WAI 54-8256 |
| | GHIBAUDI 2159 |

| Application |
|---|
| For : Denso DD Starters |
| Suzuki: CARRY; ALTO 800 - MARUTI 800 - SB 308 |

18178



| | |
|-----|------|
| T | 9 |
| G | 29.7 |
| L | 53.5 |
| SPL | 5 |
| ID | 11 |
| D | 44.3 |
| CW | |

| Ref:OEM | |
|-------------------------------|------------------------------|
| Denso 028300-6070 | Toyota 28011-0T070 |
| Honda 31207-P3F-003 | 28011-23030 |
| Isuzu 8-94367-772-0 | 28011-70020 |
| Kubota K3511-81431 | 28011-87204 |
| | CARGO 136086 |
| | WAI 54-8232 |
| | ZEN 1. 01. 0809. 0 |
| | PNE ND-129 |
| | GHIBAUDI 2389 |
| | Caelex DRV627 |

| Application |
|--|
| For : Denso PLGR Starters |
| Daihatsu : Charmant 1300 |
| Honda: Civic |
| Toyota: Carina II 1.6/Celica 1.6 GT 16V |
| Corolla 1.3 /Corolla 1.6 |
| Corolla 1.6 GTi 16V / Twin Cam / Coupe |
| 1.6 GT16V |
| Etios 2011/... |
| Lite-Ace 1.5 b |
| MR-2 1.6 GT |
| Paseo /Starlet 1.0 / 1.2 / 1.3 |
| Tercel 4A - 5A - 4E - 5E |

18186



| | |
|-----|------|
| T | 11 |
| G | 40.5 |
| L | 146 |
| SPL | 57 |
| ID | |
| D | |
| CW | |

| Ref:OEM | |
|---|------------------------------------|
| Denso 028300-1260 028300-1730 028300-2010 028300-2011 028300-2012 028300-2070 028300-3950 028300-3951 028300-3952 028300-4170 028300-4550 028300-4551 028300-5090 028300-5091 028300-5380 | Daihatsu 28011-54010-000 |
| MotorCo 1-81122-049-0 5-81124-004-0 | Isuzu 14182-63041 |
| Kubota 28011-32880-71 28011-77090 28310-22060-71 28011-1260 28011-54010 28011-77090 28011-87750 | Toyota 28011-77090 |
| | CARGO 132942 |
| | PNE ND-B1140 |
| | WAI 54-8241 |
| | ZEN 1. 01. 1827. 0 |
| | GHIBAUDI 1683 |
| | APC-92 |

| Application |
|--|
| For: Nippondenso 3.0kW, 4.5 Kw, 5.5kW OSGR Starters |
| Daihatsu: ight Trucks 2.5L DSL 1979...1993 |
| Light Trucks 2.8L DSL 1979...1993 6T - 6.9T |
| DAIHATSU:ROCKY F70 - ROCKY F75 - |
| Fahr : 42 9D - 130 1980 |
| General Motors: 7000 FWD Control 6 Cil. 1985...1992 |
| 8500 FWD Control 6 Cil. 1985...1992 |
| Hino: W 1986...1994 |
| W04D 1983...1992 |
| TOYOTA: BJ 40 - LJ 7B - 4BD1, 4BD1-T/6BB1/6HE1 |
| AUTOPARTS: 446/7. 63*13/378/4073 |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18188



| | |
|-----|------|
| T | 9 |
| G | 29.7 |
| L | 83 |
| SPL | |
| ID | |
| D | 53.8 |
| CW | |

| Ref:OEM | | Application |
|---|--|--|
| Denso 028300-5980 028300-6990 028300-7170 028300-7220 028300-7980 028300-7990 028300-8350 028300-8440 028300-8450 | Honda 31204-P03-J010M 31204-PM3-J010M Isuzu 8-94377-2520 Toyota 28011-50100 28011-75120 28011-76070 | CARGO 137753 230856 WAI 54-8235 ZEN 1. 01. 0818. 0 GHIBAUDI 2061 |
| | | For : Denso OSGR Starters ACURA:INTEGRA DODGE: VIPER - GMC: CAMION DIESEL - HONDA: ACCERD, CIVIC 1.6 - ISUZU: DIESEL -TROOPER - LEXUS: GS 300 - SC 300 - SC 400-6 - TOYOTA: CARINA E - CELICA 1.6 - COROLLA 1.6 TACOMA AUTOPARTS: 4095/6*9/462/9. 86*26 |

18200



| | |
|-----|------|
| T | 9 |
| G | 29.7 |
| L | 102 |
| SPL | |
| ID | 53.8 |
| D | |
| CW | |

| Ref:OEM | | Application |
|---|--|---|
| Denso 028300-1600 028300-1601 028300-1602 028300-1603 028300-1790 028300-1791 028300-1800 028300-2000 028300-2110 028300-2111 028300-2270 028300-3630 028300-3631 028300-4160 028300-4300 028300-4420 028300-5340 028300-5350 028300-5990 028300-6940 028300-7120 | GM 94840316 96054326 Honda 31204-657-617 31204-671-671 31207-657-671 Ishikawajima 185866150 Isuzu 8-94129-1870 Toyota 28011-20540 28011-20540-71 28011-20571 28011-26030 28011-26040 28011-26041 28011-26042 28011-35030 28011-36030 28101-10710 | Kubota 15504-63041 16871-63041 19212-63041 CARGO 132004 132543 132544 WAI 54-8202-9 ZEN 1. 01. 0947. 0 PNE ND-S0929 GHIBAUDI 1680 |
| | | Daihatsu: Rocky F80 JCB: Excavator Mazda: B2200 Toyota: Camry , Carina, Celica Corolla, Dyna, Hilux, JR 7, MR 2, Tercel, 2S, 2Y, 3Y 4JB1 AUTOPARTS: 8541/6*9/481/9. 86*26/4102, |

18208



| | |
|-----|------|
| T | 11 |
| G | 29.5 |
| L | 68 |
| SPL | 6 |
| ID | 12 |
| D | 52 |
| CW | |

| Ref:OEM | | Application |
|---|---|--|
| Allis-Chalmers 1151152A 1306456-3 American Motors 1954842 3184250 3188794 3205021 3208850 8130940 948612 Bosch 1987BE0000 Chrysler DR-1902 DR-1905 Facet 480461 | Delco 10456422 10470757 1828393 1875687 1892182 1935827 1935829 1946229 1947727 1954842 1954843 1954867 1965538 1965723 1965923 1974352 D2008 D2014 D2020 D2049 D2051 | Ford 8130940 D8HZ11350A SD310 Leece-Neville M0290-4207 Prestolite 59-144 EBB-94 CARGO 130537 WAI 54-101-9 54-180 ZEN 1. 01. 0020. 0 1184 PNE DR-2008 207 |
| | | For: Delco 5MT, 8MT, 10MT, SD200, SD300 Series DD Starters Chevrolet: 400 c/ partida Delco Remy. General Motors: Buick C20 c/ partida Delco Argentino e 3 estrias. Opala 4 e 6cil c/ partida Delco Argentino e 3 estrias. Silverado gasolina c/ partida Delco Argentino e 3 estrias. Willys:Utilit rio Jeep de 69 a 71 c/ partida Delco Remy. |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18217



| | |
|-----|------|
| T | 10 |
| G | 27.8 |
| L | 46.5 |
| SPL | 12 |
| ID | 12 |
| D | 45.5 |
| CW | |

| Ref:OEM | | |
|--|--|---|
| Bosch 1987BE0018 | Lucas TMB350 | ZEN 1. 01. 0620. 2 |
| Ford E5DZ11350A E90F11350A A E90Z11350A F0TZ11002A F07U11000AA F2TU11000AA F5DU11350AA F5DZ11350A F90Z11350A SD337 SD357 | CARGO 136633 WAI 54-212 54-228 | PNE DR-2501 GHIBAUDI 2275 355 |

| Application |
|---|
| For : Ford PMGR Starters Ford: Bronco 4.9L 92; Bronco 5.0L 92-96; Bronco 5.8L 92-96; F series Pick Up 5.0L 92-98; F series Pick Up 5.8L 92-96; F1000 4.9L 6 cilindros (gasolina); Ranger Lincoln: CONTINENTAL EXECUTIVE 1994 V6 3.8 GAS, CONTINENTAL SIGNATURE 1994 V6 3.8 GAS Mercury: COUGAR LS 1992 V6 3.8 GAS, COUGAR XR-7 1996 V6 3.8 GAS |

8223



| | |
|-----|------|
| T | 9 |
| G | 25.8 |
| L | 45 |
| SPL | 6 |
| ID | 12 |
| D | 43.5 |
| CW | |

| Ref:OEM | | |
|--|--|--|
| Bosch 1987BE0021 | CARGO 230073 | |
| Delco 10451980 10475974 93742495 93743739 | WAI 54-157 ZEN 1. 01. 0770. 0 PNE DR-E92525 GHIBAUDI 2196 | |

| Application |
|--|
| For: Delco PG150S, PG260F1 Series PMGR Starters Chevrolet: Lanos, Nubira Daewoo: CIELO, ESPERO CD 2000 Espero 2000 c/ motor GM e partida Delco Remy. RACER General Motors: Astra 1.8 c/ partida Delco Remy. Blazer V6 S10 c/ partida Delco Remy. Vectra CD c/ partida Delco Remy. Zafira Opel: VECTRA CD 2000 |

18225



| | |
|-----|------|
| T | 11 |
| G | 56.7 |
| L | 120 |
| SPL | 19 |
| ID | 15.9 |
| D | 58.4 |
| CW | |

| Ref:OEM | | |
|--|---|---|
| Bosch 2006209001 2006202001 2006202003 2006202012 | Fiat 79058494 Ford SDX232 IHC, Navistar 331-884-C91 Ingersoll Rand 101BMP-299-1 Leece-Neville 852959 MO29097222, MO290-34977 MO290-4288 MO290-71157 MO290-73493 MO290-74977 MO290-97222 Prestolite 59-203 PD-08A PD-09A Schwitzer 142062 142905 Sycon 19337 United Technologies DV-202749 | Valeo 594291 A187695A CARGO 131768 233496 WAI 54-114-2 54-172 ZEN 1. 01. 0188. 0 1. 01. 0778. 1 PNE DR-11569 GHIBAUDI 2167 |

| Application |
|---|
| For: Delco 35MT, 40MT, 42MT, 50MT Series DD Starters ALLIS CHALMERS: CRAWLER HD-41 VT 1710 - POWER UNIT 10000 - 11000 - 3400 - 3500 - CASE: CRANE 1000-1500-1800-2000-2500 - CRANE 5500 - 650 CA TRAVELIFT - 800 - CATERPILLAR: COMPACTORS 825 C - 826 D - CONSTRUCTION 768 B - C - 769 B - C - ENGINE 3406 - 3408 - 3412 - 3512 - 3516 EXCAVATOR 245 - SCRAPER 621 B-E-631 D-E- 633 D-E- 639 D TRACK LOADER 983 B - TRACTOR D8N - WHEEL LOADER 988 - B - 992 - B - C - CHEVROLET: HD TKS MED&HD TRUCK CUMDDAD D CLARK: DOZER 380-480-SCRAPER 310-330-410 TRACTOR SHOVEL 275 - 475 - 675 - CUMMINS:ENGINES SERIE K - DODGE: HD TRUCKS MED. & HD TRUCK CUM. - FIAT ALLIS: CRAWLER 14C-FD-20-30-LOADER FL-20 CRAWLERTRACTOR HD-31 - HD-41 - EXCAVATOR FE-40, TRACTOR SCRAPER FS - WHEEL LOADER 745 - FL-20 - FR-20 - FR-35 FORD(USA): HD TRUCKS DIESEL ENGINE DD - HD TRUCKS MEDIUM ENGINE CUM. KT - NTC - HYSTER:LIFT TK H-700-800 INT. HARVESTER(USA): TK MED.&HDTRK- PAYSTAR - TRNSTAR - JOHN DEERE: IND EXSCAVATOR 990LOADER 844 VOLVO V. I. : MED. & HD TRK. ENGINE CAT. - CUM. - DD. - |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18228



| | | Ref:OEM | | Application |
|-----|------|--|----------------------------------|--|
| T | 10 | Bosch 1987BE0024 | Marelli 54268141 | CARGO 130452 |
| G | 39.5 | British 54294922 | 54294922 | 133364 |
| L | 73 | Leyland 85541454 | 85541454 | WAI 54-9200 |
| SPL | 12 | 37H7113 37H8046 607751 | 85541479 85541490 | ZEN 1. 01. 0155. 0 |
| ID | 17 | Chrysler 75062652 | Massey Ferg 1047888M91 | PNE LU-S1274 |
| D | 61 | 75062890 | 1897316M91 | GHIBAUDI 2013 |
| CW | | Ford D2NN11350C | Italacciai SD303 | |
| | | Lucas 54246725 54247034 54247036 54268141 54294922 60600024 TMB120 TNB108 TNB165 | | |
| | | | | For: Lucas 2M113, M45G, M127 Series DD Starters BERLIET : 750 GL - CASE: ACCO F4870 - DODGE: 100 SERIES -50 SERIES - LANCER BOSS: 1000-700-B-BD-C-CD M. F. :102 - 105 - 1080 - 11 - 1100 - 1104 -1114 - 1200 - 1250 -165 - 168 - 174 - 175 - 178 - 178.8 -184 -185 - 186 - 188 - 194 - 201 - 205 - 206 -264 - 265 - 275 - 283 - 284 - 285 - 290 -293 - 294 - 298 - 300 - 307 - 362 - 365 -3060 - 3065 - 3070 -373 - 374 - 375 - 390 - 394 - 397 - 398 -399 - 487 - 506 - 520 - 525 - 565 - 575 -590 - 595 - 620 - 625 - 675 - 685 - 690 -9500 SERIE - TX5 - TX45 - PERKINS: 4440 - 6660 - MOTORI VARI - ROSENLEW: MF330 -MF430 ROVER: LAND DIESEL - |

18250



| | | Ref:OEM | | Application |
|-----|----|---------------------------------|------------------------------|--|
| T | 10 | Mazda WL02-18-X25 | CARGO 139541 | For: Mitsubishi 2.0-2.2kW PLGR Starters |
| G | 33 | Mitsubishi M191X15071 | 139903 | Citroen: XM 2.5 td |
| L | 51 | M191T15071 | ZEN 1. 01. 1024. 0 | Fiat: Panda 30-45 |
| SPL | 8 | M191X68071 | WAI 54-8343-1 | Ritmo 60 |
| ID | 13 | MD618963 | GHIBAUDI 2069 | Uno 45 |
| D | 47 | Nissan, 23354-88V00 | 680BJ | 127 |
| CW | | Infiniti 31320-68D00 | | Ford: Ranger 2.5 TD |
| | | Suzuki | | Hyundai: HR |
| | | | | Mazda: B2500D |
| | | | | Mitsubishi: L200 2.5 d, 4WD |
| | | | | L300 2.5 d, td, 4X4 |
| | | | | Pajero 2.5 td |
| | | | | Space Gear 2.5 d |
| | | | | 4D56 |



| | | Ref:OEM | | Application |
|-----|------|------------------------------|-------------------------|---|
| T | 9 | Hitachi 2130-25005 | WAI 54-8309A | ISUZU: CAMPO 2.5 DIESEL TFR, ELF 4JA1, 4JB145A1 |
| G | 33 | 2140-1500 | CARGO 137277 | Q-UBS52F, TROOPER 2.8 DIESEL, 2.80 TD (UBS55) |
| L | 95 | 2140-15003 | GHIBAUDI 2143 | OPEL: CAMPO 2.5 DIESEL |
| SPL | | Isuzu 8-94435-5630 | AS SD2020 | CAMPO 3.1 DIESEL TURBO CAMPO 3.10 TD (TFR69) |
| ID | | 8-97047-5470 | | FRONTERA A 2.8 DIESEL |
| D | 53.2 | | | TURBO (53SUD2) (5BMW14) |
| CW | | | | MONTEREY A 3.1 DIESEL TURBO |
| | | | | VAUXHALL: FRONTERA 2.80 TD 1995 1998 |
| | | | | MONTEREY 3.10 TD |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18346



| | |
|-----|-------|
| T | 11 |
| G | 40.5 |
| L | 103.5 |
| SPL | |
| ID | |
| D | 64.6 |
| CCW | |

| Ref:OEM | |
|--|---|
| Hitachi 2240-8501 | ZEN 1. 01. 1865. 0 |
| Isuzu 8-97179-7700 8-97025-6720 | CARGO 333973 |
| PNE HT-B1140- 103BA | Krauf SDH5303 4JBD2 4HF1200 |

| Application |
|---|
| PHT-48501 ; DRIVE NKR, NPR ; HITACHI ; 11T |
| Unit Reference Number: 0171163, ASHI25110, HXS026, IM6163, RXS026, SMT246107 |
| ISUZU: Elf NPR66, NKS58, NKR66 Trucks w 4BE1, 4HF1 Diesel Engines |
| Nissan: Trucks Condor 4200, 4600, G2YS41, G3YS41, G4YS41, G5YS41 G7YS41, G3YS41, G5NS41, YH41, MK120 |

18353



| | |
|-----|------|
| T | 12 |
| G | 46.5 |
| L | 98.5 |
| SPL | 3 |
| ID | 14.3 |
| D | 60 |
| CW | |

| Ref:OEM | |
|------------------------------------|--------------------------------------|
| Bosch 1987BE0019 | CARGO 131481 |
| Facet 10624 10640 | WAI 54-132-4 54-132-1-S |
| Delco 1985262 1987211 | ZEN 1.01.0858.0 |

| Application |
|--|
| For: Delco 37MT Series DD Starters |
| Case: Caterpillar: Clark |
| Cummins: Cummins c/ partida Delco Remy 37MT 12/24V 12D (Caminhões GMC, MB, VW). |
| IHC: Lister: Perkins: Waukesha |
| Delco Remy: Série 37MT 12/24V (MB, VW, Ford, GMC, Cummins, Caterpillar |
| General Motors: Caminhões c/ motor Caterpillar e partida Delco Remy 37MT 12/24V. |

18374



| | |
|-----|------|
| T | 9 |
| G | 25.8 |
| L | 80.5 |
| SPL | 16 |
| ID | 11 |
| D | 48 |
| CCW | |

| Ref:OEM | |
|--|----------------------------------|
| Bosch 1000AL1086 1006209657 1006209757 1007010105 | CARGO 230339 333200 |
| F000AL1086 | ZEN 1. 01. 1108. 0 |
| Volkswagen 020911335E 047911335E | WAI 54-91104-1 |
| | GHIBAUDI 2108 |

| Application |
|--|
| For : Bosch PMGR Starters |
| Audi: A3 1.6 - 1.8 T TT |
| Seat : Alhambra 1.8T - 2.0 Córdoba 1.6, 1.8, 2.0 Ibiza 1.6 Leon 1.4, 1.6, 1.8, 1.8T Toledo 1.4, 1.6, 1.8 |
| Skoda: Octavia 1.6, 1.8, 1.8T, 2.0 |
| Volkswagen: Bora 1.6 Variant Bora 1.6, 2.0 Golf G4 1.4, 1.6, 1.8, 2.0 Golf G4 1.4, 1.6, 1.8, 2.0 Variant Golf G4 1.8 GTI Golf G4 1.8 GTI Turbo New Beetle 1.8, 2.0 Polo 1.6, 1.8 Sharan 1.8T, 2.0 Transporter 2.0 |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18386



| | |
|-----|------|
| T | 10 |
| G | 32.7 |
| L | 55 |
| SPL | 9 |
| ID | 12 |
| D | 54 |
| CW | |

| Ref:OEM | | Application |
|--|--|--|
| Hyundai 36160-42300 36160-47300 | CARGO 231932 333863 | Hyundai: HR ,H-1 2.5 TD - 2.5 TD 4WD H100 ,PORTER 2.5 TD Kia: Bongo ano 2008 K2500 2.5D ,PREGIO 2.5 TCID Mitsubishi: Katana NL200 Diesel PAJERO CLASSIC 2.5 TD PAJERO II 2.5 TD - 2.5 TDI PAJERO III 2.5 TDI PAJERO PININ 2.0 GDI PAJERO SPORT 2.5 TD Nissan: INTERSTAR 90 DCI-100 DCI-120 DCI PRIMASTAR 150 DCI Opel: MOVANO 2.2 DTI - 2.5 DTI VIVARO 2.5 DTI Renault: AVANTIME 2.2 DCI ESPACE IV 2.2 DCI LAGUNA II GRANDTOUR 2.2/2.2 DCI MASTER II 2.2 DCI 90 - 2.5 DCI 120 MASTER III 2.5 DCI - 2,5 DCI 100 Master 2010... TRAFIC II 2.5 DCI 135 VEL SATIS 2.2 DCI |
| Original Reference Number 2087-027RS | ZEN 1. 01. 1607. 0 1. 01. 1692. 0 | |
| Renault 7701049499 | PNE PG-100-47 | |
| Valeo 188993 198993 594410 809042 | GHIBAUDI 2244 WAI 54-9456 | |

18415



| | |
|-----|------|
| T | 10 |
| G | 39.5 |
| L | 96 |
| SPL | 3 |
| ID | 14.3 |
| D | 60 |
| CW | |

| Ref:OEM | | Application |
|---|--|---|
| Autolite EBB168 | Delco 1942950 1950058 | For : Delco 10MT, 20MT, 22MT, 25MT, 27MT, 30MT, 35MT, SD300 Series DD Starters BUICK: SKYLARK V8 - CHEVROLET: CAMARO V8 - CORVETTE V8 - Clark: Empilhadeira c/ motor Detroit D478 e partida Delco Remy. General Motors: D478 c/ partida Delco de 69 a 72. |
| Chrysler 2525287 | 1964127 1966931 | |
| Delco 10498623 1852716 1852719 1876857 1877355 1933471 1941119 1941157 | 1968355 1971707 1975046 4019393 D2024 D2025 D2042 Ford C6TZ11350A | |
| | CARGO 130538 WAI 54-113-1-SP 54-137-2 ZEN 1. 01. 0093. 0 GHIBAUDI 3225 | |

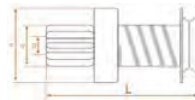
18421



| | |
|-----|------|
| T | 10 |
| G | 39.5 |
| L | 83 |
| SPL | 10 |
| ID | 14.3 |
| D | 60 |
| CW | |

| Ref:OEM | | Application |
|--|--|--|
| Bosch 6033AD0184 6033AD0200 6033AD3110 6033AD3334 6033AD3336 6033AD3338 6033AD4019 6033AD4119 6033AD4240 9002336237 | John Deere RE508813 Renault 5001853021 CARGO 231756 233728 333185 ZEN 1. 01. 1159. 0 WAI 54-91144 GHIBAUDI 2203 | For : Bosch PLGR Starters Berliet: 400-450-480-500-530-550-560 Fiat Iveco: Fiat Ducato Man: 11. 136 H-HK-HAK-HS-U-13. 136 U Renault: C 230-CBM-CCH 300-CLR 230-G 170-G 200 -GB 131-JE 13 JN 60 - 75 - 80 - 85 - 90 - 95 JP 11 - 13 - 14 /JR 19 - 21 /JX 21 M 140-150-160-180-200-210-230 - 250 ME 160 - 180 MIDLUM 135 - 150 - 180 - 210 - 250 PREMIUM 210 - 250 S 100-130-140-150-160-170-180-210 SM 8 210 Midlum dCI 6AE Euro 3 75-130-85. 150-95. 130-110. 50-110. 170 Saviem E7C JN 75 - 85 - 90 JP 11 - 13 /SC50 /SM 6 - 7- 8 |
| DAF 1382550 | | |
| Iveco 42537064 | | |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18479



| | |
|-----|------|
| T | 11 |
| G | 40.5 |
| L | 115 |
| SPL | |
| ID | |
| D | 64.6 |
| CCW | |

| Ref:OEM | | Application |
|--|---|--|
| Hitachi 2240-2501 2240-6501 | CARGO 234866 GHIBAUDI 6171 | ISUZU: ELF 3.6 - 4.3 - N-Serie - NKR 66 E 4.3 - N-Serie - NPR 66 P 4.3 - NISSAN: CABSTAR 5.7 4BE1, 4BGF1, 4HF1-11T |
| Isuzu 8-97025-6710 8-97161-7930 | PNE HT-B1140BA APC-181 | |

18501



| | |
|-----|------|
| T | 10 |
| G | 27.8 |
| L | 46 |
| SPL | 16 |
| ID | 11 |
| D | 47.5 |
| CW | |

| Ref:OEM | | Application |
|--|---|---|
| Bosch 1006209812 1006209967 | ZEN 1. 01. 1576. 0 | For : Bosch PMGR Starters CITROEN: BERLINGO-JUMPY 1.9 D-2.0 HDI- C 4 - C 5 1.8 16V - 2.0 16V - XSARA 2.0 HDI - FIAT: DUCATO 2.0 JTD - ULISSE 2.0 - LANCIA: PHEDRA 2.0 - PEUGEOT: 206 19 D - 2.0 HDI - 306 - 307 2.0 HDI - 307 2.0 16V - 407 1.8 - 2.0 - 2.2 - 16V- PARTNER - RANCH 1.9 D - 2.0 HDI - |
| Fiat 77363233 | CARGO 234535 333195 | |
| Peugeot 5835. G4 | GHIBAUDI 2343 WAI 54-91147 | |

18554



| | |
|-----|------|
| T | 9 |
| G | 35 |
| L | 77.5 |
| SPL | 6 |
| ID | 14.3 |
| D | 61 |
| CW | |

| Ref:OEM | | Application |
|--|---|--|
| Fiat 79023774 9000862 9927793 9929081 9935731 9936772 9957707 9986112 | Marelli 72138901 72139001 72139007 72363401 72363402 72397101 72397106 Italacciai SD125 SD128 | CARGO 130750 131109 WAI 54-9300-1 ZEN 1. 01. 0407. 0 GHIBAUDI 3040 3090 3218 |
| Lucas 72139001 221833 TNB802 | | |
| | | For : Marelli 12V / 2.5kW, 3.5kW; 24V / 4.0kW DD Starters Alfa Romeo: 30AR8, 32AR8, 35AR8, 40AR8. Fiat: Argenta 2.5. Campagnola. Nuova Argenta, 131, 132, 238 (1.8). Fiat Iveco: Daily 28.8, 30.8, 32.8, 35.8, 40.8 Ducato. Renault: Trafic 4X4 |

18606



| | |
|-----|----|
| T | 10 |
| G | 32 |
| L | 42 |
| SPL | 10 |
| ID | 11 |
| D | 45 |
| CW | |

| Ref:OEM | | Application |
|---|--|--|
| Denso 028300-9541 | CARGO 333836 | For : Denso PMGR Starters PONTIAC: VIBE 1.8L, TOYOTA: COROLLA 1.8L, MATRIX 1.8L (2003-08) Fortuner Hilux |
| Toyota 28100-0D080 28021-21060 | WAI 54-8247 ZEN 1. 01. 1841. 0 Krauf SDN6247 | |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18624



| | |
|-----|------|
| T | 23 |
| G | 54.3 |
| L | 51 |
| SPL | 10 |
| ID | 12 |
| D | 48 |
| CW | |

| Ref:OEM | |
|----------------------------|------------------------------|
| Ford F5BU11350AA | CARGO 139710 |
| Marelli 54294813 | ZEN 1. 01. 0975. 0 |
| Lucas 224075 | GHIBAUDI 2105 |
| 54294817 | |
| 54294813 | |
| 54294817 | |
| | |

| Application |
|---|
| Ford: Escort 1.8 EFI até 08/95. Fiesta 0.9 e 1.0 (ano 96). KA 1.3i - |

18664



| | |
|-----|----|
| T | 10 |
| G | 40 |
| L | 73 |
| SPL | 10 |
| ID | 12 |
| D | 61 |
| CW | |

| Ref:OEM | |
|----------------------------|------------------------------|
| Marelli 83280040 | CARGO 235663 |
| 83280041 | 333865 |
| ZGL 5446-3011 | WAI 54-9314 |
| MEA 150618 | GHIBAUDI 2391 |
| FOR 2873K625 | ZEN 1. 01. 1693. 0 |
| | |

| Application |
|---|
| For : Marelli PLGR Starter JCB: PERKINS - M. F. : MF 6270 - 6280 - 6290 PERKINS: MOTORI SERIE NEW 1000 - 1100 - Massey Ferguson: Trator com motor Perkins Trator 6270 Trator 6280 Trator 6290WXF |

18668



| | |
|-----|------|
| T | 12 |
| G | 38.8 |
| L | 56 |
| SPL | 10 |
| ID | 12 |
| D | 51 |
| CW | |

| Ref:OEM | |
|----------------------------|------------------------------------|
| Bosch 1006209824 | CARGO 330265 |
| 1006209827 | 333188 |
| 1006209966 | 333740 |
| 1006210128 | ZEN |
| 1006210146 | 1. 01. 1642. 0 |
| 1006210205 | 1. 01. 1874. 0 |
| 1006210206 | WAI 54-91191 54-91195 |
| | GHIBAUDI 6049 |
| | |

| Application |
|---|
| For : Bosch PMGR Starters CITROEN: JUMPER 2.2 HDi FIAT:DUCATO Multijett 2.2 D FORD (D) : TRANSIT 2.2 - 2.4 - 3.2 TDCi - LAND ROVER: DEFENDER 2.2 Td4 - 2.4 Td4 - PEUGEOT: BOXER 2.2 HDi - |

ZNP-18740

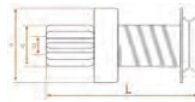


| | |
|-----|------|
| T | 11 |
| G | 40.5 |
| L | 132 |
| SPL | |
| ID | |
| D | 64.6 |
| CCW | |

| Ref:OEM | |
|------------------------------|--------------------------|
| Hitachi 2114-15006 | PNE HT-F1140BA |
| 2250-45005 | CARGO 333931 |
| 2250-45006 | GHIBAUDI 6266 |
| 2250-95004 | AS SD2043 |
| Isuzu 8-97030-3930 | MEA 1561257 |
| 8-97030-3950 | PHT-95004 |
| 8-97115-8150 | |
| 8-97115-8160 | |
| 8-97179-7710 | |
| 8-97230-5640 | |
| 8-98222-1060 | |
| | |

| Application |
|--|
| ISUZU: NKR E66 4.3 D - NKR E71 4.6 D - NKR E72 4.8 D - NKS E71 4.6 D - NPR E66 4.3 D - NPR E71 4.6 D - NPR E72 4.8 D - NPR E75 5.2 D - NPS E72 5.0 D - 4HE1, 4HF1, 4HG1, 4HK1, 4HJ1, 4.5KW 24V, NISSAN: Cabstar 5.7 818 04. YE 03 01.1980- YGF 03 01.1980- ATAMAN A-092 4.6D[4HG1, 4HK1] |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

18753



| | | |
|-----|-------|--|
| T | 11 | Nino 28100-2625 28011-78060 28011-78061 28011-78090 |
| G | 40.5 | 28251-1022 28255-1022 |
| L | 127.6 | S2825-51022 |
| SPL | | S28255-1022 |
| ID | | SAWAFUJI 1329-010-0X0 1329-010-02X0 |
| D | 64 | |
| CW | | |

Ref:OEM

Application

HINO: Dutro, Ranger;
FD1J J06C 1999-2003;
FD1J J07C 1999-2003;
FE1J J06C 1999-2003;
FE1J J07C 1999-2003;
KK-FC1 J06C 1999-2003;
KK-FC1 J07C 1999-2003;
KK-FC3J J06C 1999-2003;
KK-FC3J J07C 1999-2003
TOYOTA: DYNA, TOYOACE, J08C, S05D, S05C
J05C, J07C
AUTOPARTS: 7158/1777

18791



| | | |
|-----|------|---|
| T | 26 | Mitsubishi M191T93871 M191T94071 M191X94071 |
| G | 18.9 | CARGO 237105 |
| L | 134 | |
| SPL | 6 | |
| ID | | |
| D | 68.5 | |
| CW | | |

Ref:OEM

Application

Volkswagen: VW 26260.
Volvo: FM / FH
RENAULT V. I. : KERAX -
MAGNUM AE -
PREMIUM -
AUTOPARTS: 7134/1780/694/3052/55989

18844



| | | |
|-----|------|--|
| T | 19 | Bosch 6033AD5055 6033AD5078 6033AD5355 6033AD5356 |
| G | 20.8 | DAF 1784347 1679152 |
| L | 128 | 1875154 |
| SPL | 7 | MAN 51262130010 51262130016 |
| ID | | |
| D | 72 | |
| CW | | |

Ref:OEM

Application

For : Bosch PLGR Starters
DAF: XF 105 410 FA/FAC/FAD 95 XF 380 -
430 - 480 - 530 FA/FAC/FAD CF
85 360 - 410 - 460 - 510
MAN/BUSSING: TGA SERIE
SCANIA: P - R - T SERIE P230 - 270 - 310
- 340 - 380 - 420 T 470

19595



| | | |
|-----|------|--|
| T | 11 | KRAUF SDN1201 SDN9201 |
| G | 35.4 | Denso 428000-7931 428000-7932 428000-7933 428000-7934 428000-7935 428000-7936 428000-7937 438000-2230 MS438000-2230 STN7930 |
| L | 64 | |
| SPL | 10 | |
| ID | 11 | |
| D | 45.6 | |
| CW | | |

Ref:OEM

Application

AUDI: A4 1.8 TFSi 01.2011-
A4 1.8 TFSi Quattro 01.2011-
A4 2.0 TFSi 01.2013-
A4 2.0 TFSi Allroad 01.2013-
A4 2.0 TFSi Quattro 01.2013-
A5 1.8 TFSi 11/15
A5 2.0 TDi Quattro 01.2013-
A5 2.0 TFSi 13/15
A5 2.0 TFSi Quattro 01.2015-
A6 2.0 TFSi 11/13
A6 2.0 TFSi Quattro 12/13
Q5 2.0 TFSi Hybrid Quattr
Q5 2.0 TFSi Quattro 12/15
A7 2.8 FSi Quattro 01.2010-
A7 3.0 TFSi Quattro 01.2010-
A8 4H S8 2,0TFSI Hybid Bj:2011

STARTER DRIVES



T = NO OF TEETH
SPL=NO OF SPLIN

58001



| | | Ref:OEM | | Application |
|-----|------|--|---|---|
| T | 9 | Bomag 05726977 | KHD 12156103 | <p>For : Bosch 410-418 Series DD Starters Berliet: GR320, TR320, TRH320. Claas: Dominator 105. Drogmoller: 280, 290, 300, 310, 320, 330, 420, Faun: K20 W. Kaeble: SL18 E, SL20, SL25 B. Kassbohrer: S209, 211, 212, 213, 215, 216, 228 Liebherr: PR721, 731. Man: 13. 192-230, 16. 232-280, 19. 230, 15, 16, 17, 18, 19, 20, 22, 23, 24 (to n séries), 25, 26, 27, 28, 30, 32, 33, 35, 40 (ton séries), 26. 280, 320, 30. 232, 320, 32. 231, 41, 48 (ton séries), üL, F/HF, N u, NG, NL, RH, RN. Kisa Man. Mercedes Benz: Chassi p/ibus0364, 0370, 0371, 0371UP, OH1419, 1420, 1517, 1518, todos c/partida KB. Motor Estacionário, Gerador, Industrial e Maritimo OM314, OM352, OM352A 0370 (OM355-5, 6, 6A, 6LA), 0371 (OM355-5A, 6A, 6LA), 0371UP (OM355-5). 0 303. 0 305, 0305G. 0 307. 0 345, 0 345G. 0 355. 0 364. 0 365. 0 370, 0 370R, 0 370RS, 0 370RSD. 0 371R, 0 371RS, 0 371RSD. 1319, 1320. 1418, 1419, 1420, 1425, 1425 S. 1517, 1518, 1519, 1520, 1524, 1525. 1622. 1924, 1929, 1932, 1933, 1934. 2019, 2025 S, 2028 LS. 2219, 2220. 2222, 2222B. 2225, 2225B. 2228, 2233, 2236, 2238. 2624A. 2628, 2628A, 2628B. 2633, 2636, 2638. 3025B, K. 3028B K. 3250A. MWM: Motor D232, OM232 (Maritimo V6/V8 1970 ED e V12 T/TD 1970 ED 12 e 24V), TD2 Steyr Puch: 991. 200, 1291. 260, 1491. 260. Volvo:</p> |
| G | 34.7 | Bosch 2006382013 | 1290195 8122128 | |
| L | 61 | 2006382017 | Lancia 82256323 | |
| SPL | | 2006382020 | MAN 81262090015 | |
| ID | | 2006382150 | Mercedes 0001513713 0001516013 | |
| D | | 2006382176 | Renault 5000241523 5000296760 | |
| CW | | 2006382193 | Volvo 11994396 | |
| | | 2006383150 | 6643675 | |
| | | 2006383176 | Lucas TMB150 | |
| | | Delco 19024303 19024304 19024306 | | |
| | | Fiat 8122127 8122128 | | |
| | | Iskra 15. 100. 092 15100092 | | |

58009



| | | Ref:OEM | | Application |
|-----|------|---------------------------------|-------------------------|---|
| T | 9 | Mitsubishi M605X63172 | CARGO 133630 | <p>Mazda: Especial/Special Mitsubishi: CANTER 60 3.9 Nissan: Especial/Special Yale: Especial/Special</p> |
| G | 35.8 | ME700138 | PNE MT-MP0935 | |
| L | 18.2 | MD700138 | ZEN 12658 | |
| SPL | 20 | | Krauf SPM3630 | |
| ID | | | | |
| D | | | | |
| CW | | | | |

58016



| | | Ref:OEM | | Application |
|-----|------|--|------------------------------------|---|
| T | 13 | Denso 028099-3230 028099-3290 | ZEN 9302 639. 0302. 5 | <p>For : 2.5kW, 3.0kW OSGR Starters Used On: (2000-89) Dodge; Case, Cummins, Versatile Lester Nos: 16990, 17390, 17394, 17548, 17600, 17802, 17818, 18506, 18559, 18936, 19618</p> |
| G | 39.5 | | GHIBAUDI 1734 | |
| L | 36 | CARGO 132865 | Krauf SPN9865 | |
| SPL | 16 | WAI 54-82202 | Unipoint SD-5279 | |
| ID | | | | |
| D | | | | |
| CW | | | | |

STARTER DRIVES



T =NO OF TEETH
SPL=NO OF SPLIN

58029



| | |
|-----|------|
| T | 11 |
| G | 40.5 |
| L | 23.5 |
| SPL | 18 |
| ID | |
| D | |
| CW | |

| Ref:OEM | |
|---|---|
| Denso 028099-5590 028099-6550 028371-1980 028371-6190 | WAI 54-82214 ZEN 12609 6. 39. 1026. 4 |
| CARGO 133356 | Krauf SPN3356 |
| ACE 4-805 | PNE ND-MP1141 |

| Application |
|---|
| For: Nippondenso OSGR Starters Used On: Carrier, Kubota, TCM, Thermo King Unit Nos: Nippondenso 028000-625, -783; 128000-007, -014, -116, -147, -216, -559 Lester Nos: 16946, 17115, 17116, 17367, 17612, 18149, 18153 |

58033



| | |
|-----|----|
| T | 9 |
| G | 36 |
| L | 87 |
| SPL | 10 |
| ID | |
| D | |
| CW | |

| Ref:OEM | |
|---|---|
| Hitachi 2114-95001 2114-95501 2130-2501 2130-6503 GD213442-1 | CARGO 133042 WAI 54-81203 54-81206 PNE HT-SP0935 ZEN 9527 6. 39. 0527. 5 |
| Nissan, Infiniti 23357-02N00 23357-W1700 23357-V0700 | GHIBAUDI 1726 |

| Application |
|--|
| Nissan Datsun: CD17, CD20 For: Hitachi OSGR Starters Used On: (1985-81) Nissan (Diesel); Ishikawajima, Nissan Lift Trucks Unit Nos: Hitachi S13-47, A; S13-50, A; S13-56, A; S13-65, S13-69, S13-92A, S13-102, S13-104; S114-357A, B; S114-367, S114-395A, S114-482 Lester Nos: 16733, 16772, 16809 |

58037



| | |
|-----|------|
| T | 11 |
| G | 56.7 |
| L | 44.7 |
| SPL | |
| ID | 23.8 |
| D | |
| CW | |

| Ref:OEM | |
|-------------------------------|--|
| ACE 486009 | |
| WAI 54-1202 | |
| PNE DR-P151156 | |
| ZEN 9074 6. 39. 0074. 5 | |

| Application |
|--|
| For: Delco 35MT, 40MT, 42MT, 50MT Series DD Starters Note: Used in 54-114, 54-123-2, 54-126 positive engagement type drives |

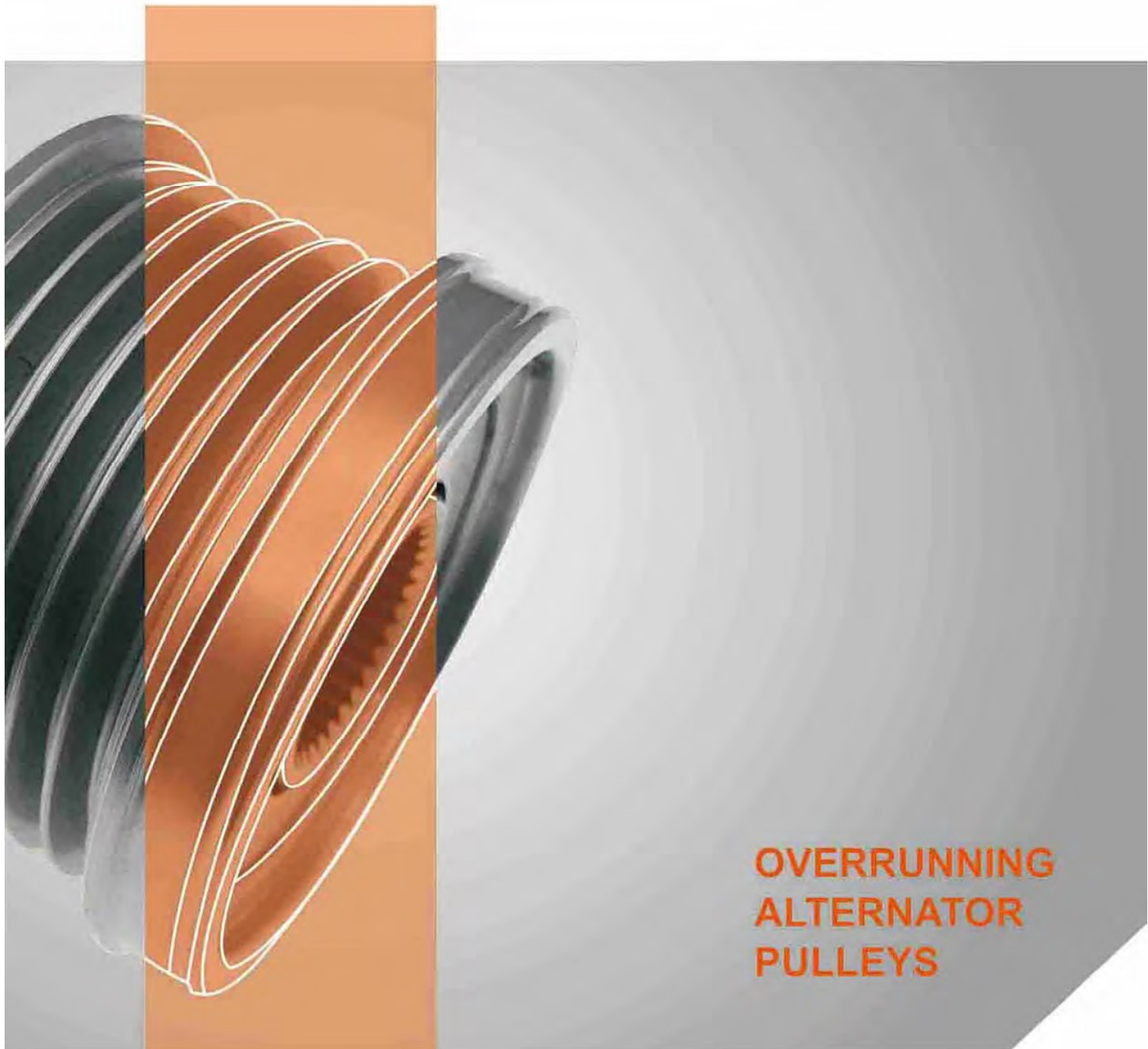
4127



| | |
|-----|------|
| T | 16 |
| G | 20.3 |
| L | 11 |
| SPL | |
| ID | 11.5 |
| D | |
| | |

| Ref:OEM | |
|------------------------|-----------------------|
| AES 3801 | NISSAN 23361-42L70 |
| FORD F4XY11K190A | SUBARU 23351-AA000 |
| HYUNDAI 36141-32500 | SUZUKI 31344-86030 |
| MAZDA N326-18X-57 | WAI 76-83822 |
| MITSUBISHI MD611210 | |

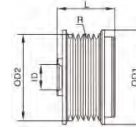
| Application |
|---|
| lanetary Gear For: Mando, Mitsubishi PMGR Starters Used On: (2006-85) AMC, Chevrolet, Chrysler, Dodge, Eagle, Ford, Geo, Hyundai, Infiniti, Jeep, Mazda, Mercury, Mitsubishi, Nissan, Plymouth, Subaru, Suzuki Lester Nos: 16888, 16889, 16930, 16932, 16933, 16939, 16998, 17006, 17046, 17131, 17132, 17133, 17142, 17151, 17161, 17166, 17167, 17175, 17176, 17180, 17185, 17192, 17194, 17206, 17217, 17221, 17246, 17437, 17451, 17461, 17467, 17469, 17470, 17478, 17479, 17480, 17507, 17514, 17539, 17541, 17557, 17559, 17561, 17564, 17566, 17577, 17578, 17592, 17599, 17683, 17685, 17686, 17688, 17689, |



**OVERRUNNING
ALTERNATOR
PULLEYS**

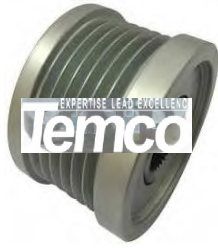
Product Series

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28581



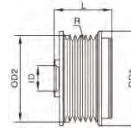
| | | Ref:OEM | ALTERNATOR | | Application | |
|-----|------|---|--|---|---|---|
| R | 6 | HITACHI L1110G-7500 L1110G-25001 GD216009 GD216092 GD216093 GD216099 | IKA 3 3583 1 INA F-232288 F-232288. 1 F-232288. 2 F-232288. 02 F-232288. 03 | HITACHI LR1100-728 LR1100-734 LR1100-734B LR1100-734C LR1100-734E LR1110-713 LR1110-713B LR1110-713C LR1110-713E LR1110-713V LR1110-717 LR1110-717B LR1110-724 LR1110-724B LR1110-724BR LR1110-726 | NISSAN 23100-8J000 23100-8J00A 23100-AU400 23100-AU40A 23100-AU40AR 23100-AU40D 23100-AU420 23100-AU42A 23100-BJ00B 23100-EA000 23100-EA00A 23100-EA00B 23100-ZB000 23100-ZB00A 23100-ZB00B | Nissan: Primera 2.0 X-Trail 2.0/2.5 SUZUKI: EQUATOR, 2.5 LITER ENGINE |
| OD1 | 56.5 | | | | | |
| OD2 | 52.7 | | | | | |
| L | 42.5 | | | | | |
| ID | 17 | NISSAN 23151-6N200 23151-6N20A 23151-6N20B | WAI 24-81107-3 | | | |
| CW | | VALEO 588092 | CARGO 233989 333604 | | | |
| S | M 16 | | | | | |

28583



| | | Ref:OEM | ALTERNATOR | | Application | |
|-----|------|--|--|--|---|---|
| R | 6 | BOSCH F002G10909 F00M147600 F00M147737 F00M147801 F00M991002 F00M991122 F00M991206 F00M991284 | INA F-227628 F-227628. 4 F-227628. 5 F-227628. 6 F-227628. 7 F-227628. 8 F-227628. 10 F-227628. 11 F-227628. 12 F-553470 F-553470. 01 F-553470. 02 F-553470. 05 F-553470. 07 535001210 | BOSCH 0120000015 0121715003 0121715047 0121715071 0121715032 0121715103 01240AC00B 0124315001 0124315013 0124315032 0124325001 0124325012 0124325047 0124325073 0124325083 0124325101 0124325130 0124325131 0124325149 0124325178 0124515010 0124515011 0124515022 0124515039 0124515101 0124515117 | VALEO 2542237 2542244 2542245 A13VI285 A13VI289 FG18T033 SG8B013 SG8B027 SG9B015 SG9B078 SG10B019 SG10B032 SG12B015 SG12B090 TG11C017 TG14C011 TG14C015 TG14C016 TG14C026 | Audi: A1 1.6/2.0 TDI, 2.0 TFSI / -quattro A2 1.2/1.4 TDI, 1.3 TDI 3L A3 1.6/1.8 T/ 1.9TDI, A4 1.9 / 2.0 TDI / A6 2.0 TDI Q3 2.0 TDI /-quattro TT 1.8T/3.2 Coupè, Roadster, -quattro Ford: Galaxy 1.9 TDI, 2.8i 24V SEAT: Alhambra 2.8, -4Motion Cordoba, Ibiza, Inca 1.9 SDI/TDI Skoda: Fabia 1.4 TDI/ 1.9 SDI/TDI, -Combi Roomster 1.9TDI Superb 2.0 TDI, -4x4, Combi Yeti 2.0TDI, -4x4 VW: Bora 1.6, -Variant, 1.8T, -Variant, Bora 1.9 SDI/TDI, -4Motion, -Variant Bora 2.0/2.3/2.8, -4Motion, -Variant Caddy 1.9/2.0 SDI/TDI California T5 1.9/2.0/3.2TDI/TDI Caravelle T5 1.9TDI/2.0 3.2, -4Motion CC 2.0TDI, -4Motion Crafter 30/35/50 2.5 TDI Cross Polo 1.9TDI EOS 2.0 TDI / TFSI, 3.2 V6 Fox 1.4 Golf IV 1.6/1.9/2.3/2.8 SDI/TDI, -Variant Golf Plus 1.9, 2.0 TDI Golf V /-Variant 1.6, 1.9 TDI, 2.0 FSI, 3.2 Golf VI /-Variant 1.6, 2.0 TDI/GTi, Jetta III + IV 1.6, 1.9. |
| OD1 | 61 | | | | | |
| OD2 | 55.6 | | | | | |
| L | 41 | | | | | |
| ID | 17 | FORD 1469755 6M2110344BA | IKA 3 3520 1 | | | |
| CW | | VALEO 588001 593491 593600 593999 2546778 2602911 2604504 | CARGO 230293 332317 | | | |
| S | M 16 | VW 021903119G 022903119A 022903119C 028903119A 028903119AM 038903119A 038903119T 038903119S | WAI 24-91255-3 | VW 021903025K 021903026A 021903026G 022903028A 028903026H 028903029G 030903023S 038903018P 038903023K 038903024A 03G903023 03G903023X 03L903023 03L903024M 045903023 045903023A 045903023F 06F903023A 06F903023C 06F903023D 06F903023H 06F903023J | | |
| | | HITACHI GD214998 PAL MAGNETON 0138600 0138601 TOYOTA 27039-0D030 | | | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28586



| | | Ref:OEM | ALTERNATOR | | Application |
|-----|------|-------------------|--------------|-------------------|---------------|
| R | 5 | BOSCH | INA | BOSCH | RENAUT |
| OD1 | 61 | F00M147721 | F-230147 | 0124315006 | 7701474326 |
| OD2 | 55.6 | F00M147808 | F-230147. 1 | 0124315012 | 7701476465 |
| L | 37 | F00M991039 | F-230147. 2 | 0124325014 | 7711134728 |
| ID | 17 | F00M991218 | F-240138 | 0124325021 | 8200053938 |
| CW | | F00M991285 | F-240138. 01 | 0124525028 | 8200120286 |
| S | M 16 | F00M991375 | F-240138. 1 | 0124525102 | 8200373636 |
| | | NISSAN | 535001810 | MITSUBISHI | NISSAN |
| | | A660C-300EX | 535009610 | A002TB6481 | 23100-00QA1 |
| | | RENAUT | 535011610 | A002TC0981 | 23100-00QA9 |
| | | 8200113636 | CARGO | VW | 23100-00QAB |
| | | VW | 230309 | 038903023P | 23100-00QBA |
| | | 038903119AB | 333026 | 038903023T | 23100-00QBB |
| | | 038903119Q | IKA | 038903025A | VALEO |
| | | 07K903119A | 3 3548 1 | 038903025 | 2542664 |
| | | 07K903119 | 3 5324 1 | 07K903023A | 437742 |
| | | MITSUBISHI | WAI | 07K903023F | SG12B038 |
| | | A660C300EX | 24-91258-3 | 07K903023FX | TG11C011 |

28594



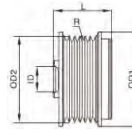
| | | Ref:OEM | ALTERNATOR | | Application |
|-----|------|--------------|--------------|-------------|--------------|
| R | 5 | BOSCH | INA | VW | VALEO |
| OD1 | 61 | 1126601045 | F-225653. 6 | 028903029A | 2542232 |
| OD2 | 56 | F00M147724 | F-225653. 7 | 028903029B | 2542234 |
| L | 35.5 | F00M991043 | F-225653. 10 | 028903029D | 2542239 |
| ID | 17 | F00M991045 | F-225653. 11 | 028903029E | 2542496 |
| CW | | F00M991378 | F-552699 | 028903029S | 2542507 |
| S | M 16 | VW | F-552699. 01 | 028903029N | 437188 |
| | | 022903119B | F-552699. 02 | 028903029Q | 437340 |
| | | 022903119D | F-552699. 03 | 028903029QX | 437341 |
| | | 028903119AB | F-552698. 02 | 028903029R | 437377 |
| | | 028903119AC | 535000510 | 028903029T | SG9B017 |
| | | 028903119C | WAI | 028903031 | SG9B042 |
| | | 038903119J | 24-91256-3 | 028903031A | SG12B010 |
| | | 038903119M | CARGO | 028903031X | SG12B012 |
| | | VALEO | 230302 | 029903029E | SG12B049 |
| | | 588008 | 332295 | 029903031B | SG12B074 |
| | | 593490 | IKA | 06B903016A | SG14B011 |
| | | 2547439 | 3 3541 1 | 06B903016D | SG14B012 |
| | | 2574439 | | 06B903016E | SG14B023 |
| | | 2604509 | | | |

28600



| | | Ref:OEM | ALTERNATOR | | Application |
|-----|------|---------------|--------------|-------------------|--|
| R | 6 | MELCO | INA | MITSUBISHI | MAZDA 3: 1.6, 1.6 MZR, Stufenheck |
| OD1 | 59 | A628X92171 | F-238163 | A003TG0081 | MAZDA 6: Altenza |
| OD2 | 55 | M628X97571 | F-238163. 01 | A003TG0081A | 1.8/2.0/2.31 |
| L | 39 | 1800-A061 | F-238163. 1 | A003TG0081B | Hatchback, 1.8/2.0/2.31 |
| ID | 17 | 1800-A120 | F-238163. 2 | A003TG2881 | Station Wagon |
| CW | | 1800-A323 | F-577572 | A2TX0881A | 1.8/2.0/2.31, 2.3 AWD |
| S | M 17 | 519-40420 | F-552562 | A2TX0891A | MITSUBISHI: LANCER 2.0L without Turbo 2008-2009 I |
| | | 519-41233 | F-552562. 01 | A3TG0081 | Outlander 2.4L |
| | | MAZDA | 535014510 | A3TG3181 | NISSAN: Micraiv(k13)1.2 DIG |
| | | LF1818W11 | 535024610 | A3TL0081 | |
| | | LF1818330 | WAI | MAZDA | |
| | | LF1818300A | 24-83281 | LF1818300 | |
| | | LF1818330A | 24-83275 | LESTER | |
| | | LW1818W11 | IKA | 13996 | |
| | | SUBARU | 3 5332 1 | 11376 | |
| | | 23750-AA070 | 3 5418 1 | 11377 | |
| | | CARGO | | | |
| | | 235424 | | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28603



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|--------------|--------------|-------------------|---------------|---|
| R | 6 | NISSAN | INA | HITACHI | NISSAN | NISSAN: Juke 1.6 DIG-T - 4x4 Quashqai 2.0 Tiida 1.8 X-Trail 2.0 Mitsubishi: IR/IF Alternators |
| OD1 | 53.4 | 23100-ED000 | F-557045 | LR1140-801 | 23100-1FC1A | |
| OD2 | 49.5 | 23150-ED001 | F-557045. 01 | LR1140-803E | 23100-1KM1A | |
| L | 39 | 23150-ED00A | F-557045. 02 | LR1140-806E | 23100-1KM1B | |
| ID | 17 | 23151-EL010 | 535014610 | MITSUBISHI | 23100-ED000 | |
| CW | | 23151-JD20A | WAI | A002TJ0281 | 23100-ED50A | |
| S | M 17 | MELCO | 24-83280-3 | A2TJ0281 | 23100-ED00B | |
| | | A252C55075 | IKA | A2TJ0281ZC | 23100-EM01B | |
| | | A252C550FE | 3 5454 1 | A2TJ0581 | 23100-EM01BR | |
| | | A252C550ME | CARGO | A2TG1581 | 23100-EW80A | |
| | | | 333065 | A2TJ1381 | 23100-JN81A | |
| | | | | PEUGEOT | 23100-JD200 | |
| | | | | 5705. AX | 23100-ZW40A | |
| | | | | 5705. EE | LESTER | |
| | | | | | 11343 | |
| | | | | | 11413 | |
| | | | | | 11414 | |
| | | | | | 13258 | |
| | | | | | 24075 | |

28609



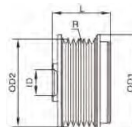
| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|--------------|--------------|---------------|-------------|---|
| R | 6 | BOSCH | INA | BOSCH | DB | Mercedes Benz: MB C200 CDI, -T / 220 CDI, -T E200 CDI / 220 CDI, -T Sprinter 208 CDI, 210 CDI, 213 CDI, 216 CDI, 308 CDI, 311 CDI, 313 CDI, 316 CDI 408 CDI, 411 CDI, 413 CDI, 416 CDI Vito Bus 108, 110, 112 CDI V200/V220 CDI |
| OD1 | 55 | 1126601597 | F-228824 | 0123320051 | 0101545902 | |
| OD2 | 50 | F00M061023 | F-228824. 1 | 0123320065 | 0101549502 | |
| L | 39.3 | F00M991304 | F-228824. 4 | 0123510082 | 0101549602 | |
| ID | 17 | DB | F-228824. 6 | 0123510107 | 0111540602 | |
| CW | | 6111500160 | F-228824. 7 | 0123510108 | 0111540902 | |
| S | M 16 | 6111550215 | F-228824. 01 | 0123510639 | 0111541202 | |
| | | 6111550615 | F-228824. 04 | 0123520023 | 0111547002 | |
| | | IKA | F-228824. 06 | 0123520025 | 0111547802 | |
| | | 3 3529 1 | F-228824. 07 | 0986041590 | 0121545402 | |
| | | WAI | F-228824. 09 | 0986043660 | 0121542202 | |
| | | 24-91263-3 | F-228824. 10 | VALEO | 0131543602 | |
| | | CARGO | F-228824. 11 | 437540 | A0101545902 | |
| | | 230292 | F-228824. 12 | 437625 | A0101549602 | |
| | | 332293 | 535001510 | 439540 | A0111540902 | |
| | | | | SG12B087 | A0111547802 | |
| | | | | LESTER | A0121545402 | |
| | | | | 12383 | | |
| | | | | 22879 | | |
| | | | | 23020 | | |

28613



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|----------------|--------------|----------------|-----------------|---|
| R | 7 | VALEO | INA | MANDO | LESTER | Hyundai: H1, Porter 2.5 CRDi KIA: Sorento 2.5 CRDi |
| OD1 | 74 | 2655703 | F-232774. 1 | 600046 | 23790 | |
| OD2 | 68.5 | HYUNDAI | F-232774. 03 | AF111382 | 23791 | |
| L | 44.5 | K406701 | F-232774. 04 | AF111393 | LUCAS | |
| ID | 17 | 406607 | F-232774. 05 | TA000A48201 | LRA02791 | |
| CW | | KIA | F-232774. 4 | TA000A62401 | HC-PARTS | |
| S | M 16 | 37321-4A000 | 535007910 | HYUNDAI | JA1804IR | |
| | | 37322-4A000 | IKA | 37300-4A001 | | |
| | | 37322-4A001 | 3 3589 1 | 37300-4A002 | | |
| | | 37322-4A002 | CARGO | 37300-4A003 | | |
| | | | 237674 | 37300-4A110 | | |
| | | | WAI | 37300-4A111 | | |
| | | | 24-94265-3 | 37300-4A112 | | |
| | | | | 37300-4A113 | | |
| | | | | 37300-4A201 | | |
| | | | | 37300-4A202 | | |
| | | | | 37300-4A203 | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28625



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|-------------|------------|-------------|-------------|--|
| R | 7 | DENSO | INA | DENSO | TOYOTA | Toyota: Dyna 2.5 D4d ano 08.01-10.06 Hiace IV 2.5 D-4D ano 08.01-08.06 Hiace 2.5 D-4D ano 11.01-08.06 Hilux (N) 2.5 D, 2.5 D4d, 2.5 D-4D 4x4 ano 08.01-08.04 Hilux 2.5 D-4D ano 11.01 Kijang MPV 2.5 D4D ano 08.01-08.09 Land Cruiser (J12) 3.0 D-4D ano 01.03-08.09 Land Cruiser (J9) 3.0 D-4D ano 10.00-08.09 Qualis MPV 2.5 D4d ano 08.09-08.09 SW4 (N2) 3.0 D ano 08.09-08.09 Tacoma II (N) 2.5 D-4D, 2.5 D-4D 4WD ano 11.01- |
| OD1 | 65 | 021040-1020 | F-567525 | 102210-2810 | 27060-0C020 | |
| OD2 | 58 | 021040-1070 | 535017310 | 102211-2310 | 27060-0L010 | |
| L | 42 | TOYOTA | GATES | 102211-2810 | 27060-0L020 | |
| ID | 15 | 27411-0C020 | 0AP7125 | 102211-4720 | 27060-0L021 | |
| CW | | 27415-30020 | WAI | 102211-5600 | 27060-0L022 | |
| S | M 14 | 27415-0C010 | 24-82114-3 | 102211-5670 | 27060-0L040 | |
| | | 27415-0L010 | CARGO | 104210-8020 | 27060-0L080 | |
| | | 27415-0L030 | 236763 | 104210-8021 | 27060-0L081 | |
| | | 27060-30020 | 332133 | 104210-8220 | 27060-0L190 | |
| | | 27060-30050 | 333634 | 104210-8240 | 27060-30010 | |
| | | E91-4101 | IKA | 104210-8241 | 27060-30020 | |
| | | NTN | 3 5379 1 | 104210-8360 | 27060-30040 | |
| | | 214V1-1 | 3 5394 1 | 104210-9000 | 27060-30050 | |
| | | | 3 5434 1 | 104210-9010 | 27060-30080 | |
| | | | | 104210-9011 | 27060-30100 | |
| | | | | 104210-9230 | 27060-30120 | |
| | | | | 104210-9231 | 27060-30150 | |
| | | | | 104210-9340 | 27060-30151 | |

28626



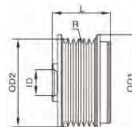
| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|-------------|-----------|---------------|-------------|--|
| R | 7 | TOYOTA | INA | DENSO | TOYOTA | Toyota: Auris 2.0/2.2 D-4D Avenis 2.0/2.2 D-4D Corolla 2.0/2.2 D-4D Dyna 3.0D-4D Hiace IV / V 2.5 D-4D Land Cruiser 3.0 D-4D RAV 4 III 2.2 D-4D Verso 2.0/2.2 D-4D Yaris 1.3 VVT-i Lexus: IS II 200d / 220d MB: C 320 CDI |
| OD1 | 65 | 27415-26010 | F-585322 | 102211-8370 | 27060-0G011 | |
| OD2 | 58 | 27415-30010 | 535023210 | 104210-1430 | 27060-0G021 | |
| L | 42 | 27415-30900 | CARGO | 104210-2370 | 27060-0L110 | |
| ID | 17 | NTN | 330527 | 104210-3410 | 27060-0R011 | |
| CW | | 328V2-2 | IKA | 104210-3411 | 27060-26030 | |
| S | M 14 | 357V1-1 | 3 5382 1 | 104210-4450 | 27060-26060 | |
| | | 361V1-1 | 3 5424 1 | 104210-4591 | 27060-30030 | |
| | | | 3 5452 1 | 104210-4460 | 27060-30060 | |
| | | | 3 5473 1 | 104210-4520 | 27060-30070 | |
| | | | WAI | 104210-4521 | 27060-30121 | |
| | | | 24-82310 | 104210-4521 | 27060-30121 | |
| | | | | 104210-4770 | 27060-30123 | |
| | | | | 104210-4771 | 27060-30130 | |
| | | | | 104210-5140 | 27060-30131 | |
| | | | | 104210-5440 | 27060-30140 | |
| | | | | 104210-5450 | 27060-30141 | |
| | | | | 104210-7060 | 27060-30152 | |
| | | | | 104211-8741 | 27060-30154 | |
| | | | | TG104210-7060 | 27060-30160 | |

28630



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|------------|-------------|------------|-------------|--|
| R | 6 | BOSCH | IKA | BOSCH | SG12B047 | Audi: A3 1.8 / 2.0 TFSI, A4 1.6, -Avant 1.8T. A6 2.0, Avant 2.0 TT 1.8 / 2.0 TFSI Seat: Alhambra 2.0 TSI Altea 1.8/2.0 TFSI, - 4x4 Exeo 1.6/1.8/2.0 Leon 1.8/2.0 Toledo 1.8 TFSI VW Skoda: Octavia, Superb 1.8/2.0 Yeti 1.8 4x4 VW: Beetle 2.0 TSI Eos 1.4/2.0 TSI/TFSI Golf V+VI 2.0 GTI, 1.8/2.0 TSI Jetta IV 1.4 TSI Passat 1.8 TSI / 2.0 FSI Scirocco 1.8/2.0 TSI Sharan 1.8/2.0 TSI Tiguan 2.0 TFSI/TSI |
| OD1 | 61 | 0120936706 | 3 3577 1 | 0124510059 | SG12B075 | |
| OD2 | 56 | F00M991108 | INA | 0124515059 | SG14B010 | |
| L | 37 | F00M991266 | F-231142 | 0124525009 | SG14B016 | |
| ID | 17 | F00M147732 | F-2311432.1 | 0124525088 | SG14B022 | |
| CW | | VALEO | F-231142.01 | 0124615009 | TG14C025 | |
| S | M 16 | 588032 | F-231142.05 | 0986046160 | TG15C017 | |
| | | 593778 | F-231142.08 | 0986046180 | TG15C065 | |
| | | 2548703A | F-581445 | 0986044910 | TG15C144 | |
| | | 2549858 | 535004110 | F000BL06Y7 | | |
| | | 2604099 | CARGO | F000BL06Y8 | 06B903016AB | |
| | | 2604510 | 234795 | F000BL0809 | 06B903016AE | |
| | | VW | WAI | F000BL08C0 | 06B903016AF | |
| | | 06B903119B | 24-91274-3 | VALEO | 06B903016P | |
| | | 06B903119D | | 2542494 | 06B903016Q | |
| | | 068903119B | | 2542494A | 06D903016 | |
| | | | | 2542509 | 06D903016A | |
| | | | | 2542687 | 06E903016D | |
| | | | | 2542738 | 06J903023C | |
| | | | | 437360 | 06K903023 | |
| | | | | | 06K903023X | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28633A



| | |
|-----|------|
| R | 6 |
| OD1 | 76.5 |
| OD2 | 55 |
| L | 42.5 |
| ID | |
| CW | |
| S | M 16 |

| Ref:OEM | | ALTERNATOR | | Application |
|------------------------------|--|----------------------------|------------------------------|---|
| BOSCH F00M991054 | | BOSCH 0124325024 | RENAULT 6001548061 | Dacia: Logan 1.4/ 1.6 |
| VALEO 593610 | | 0124325031 | 7700421477 | Renault: Clio II 1.4i 16V, 1.6i, -16V, 1.5DCI |
| RENAULT 6001547291 | | 0124325184 | 7700427932 | Kangoo 1.4i/ 1.6i, - |
| 7700110616 | | 0124325185 | 7700429217 | Express/Rapid |
| 7701477689 | | 0124415013 | 7700429310 | Laguna I 1.6i 16V, - |
| IKA 3 5303 1 | | 0124415014 | 7700434899 | Grandtour |
| | | 0124415040 | 7700434900 | Megane 1.4i16V, Classic, - |
| | | 0124525028 | 7701473636 | Coupe1.5 DCI, |
| | | VALEO 2542420 | 7701473637 | -Cabriol.6 Classic, -Coup |
| | | SG9B033 | 7701713149 | è, -Grandtour |
| | | SG10B016 | 8200660040 | Scenic 1.4 16V, 1.4i/ |
| | | SG10B020 | 8200692865 | 1.6i, 1.5 DCI |
| | | SG12B089 | 8200692866 | Symbol 1.4i 16V |
| | | SG12B105 | NISSAN 23100-00QBB | Thalia II 1.4i 16, 1.5 |
| | | TG11C034 | TOYOTA 27030-165FL | DC, 1.6i |

28637



| | |
|-----|------|
| R | 6 |
| OD1 | 55 |
| OD2 | 50 |
| L | 35.5 |
| ID | 17 |
| CW | |
| S | M 16 |

| Ref:OEM | | ALTERNATOR | | Application |
|---------------------------------|--------------------------|----------------------------|--------------------------------|---|
| BOSCH 1126601580 | INA F-226387 | BOSCH 0123320049 | SsangYong 6621540002 | Mercedes Benz: 0 812D (Vario) |
| F00M991393 | F-226387.04 | 0123510072 | 6651540002 | Vario 612 D, 613 D, 812 D |
| DB 6041500460 | F-226387.05 | DB 0101546402 | 6651540202 | SsangYong: Actyon 200 2.0Xdi |
| 6041500660 | F-226387.06 | 0101546502 | 6651540302 | LESTER 13811 |
| SSANG YONG 66215531A5 | F-226387.07 | 1621543802 | LUCAS LRA02366 | Kyron 2.0 Xdi, 270 Xdi |
| 6621553315 | F-226387.08 | 6641540002 | | Rexton 270 Xdi |
| DELPHI 220682 | F-226387.09 | 6641540102 | | Rodius 270 2.7 Xdi |
| CARGO 235478 | F-226387.10 | 6651540202 | | |
| | F-239662 | A1621543802 | | |
| | F-239662.01 | A6641540002 | | |
| | 535005110 | A6641540102 | | |
| | 535013410 | | | |
| | IKA 3 3560 1 | | | |
| | WAI 24-91283-3 | | | |

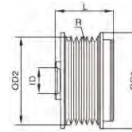
28645



| | |
|-----|------|
| R | 6 |
| OD1 | 64 |
| OD2 | 59.5 |
| L | 37 |
| ID | 17 |
| CW | |
| S | M 16 |

| Ref:OEM | | ALTERNATOR | | Application |
|-----------------------------------|--------------------------|-----------------------------------|-----------------------------|--|
| DENSO 71011-0750 | IKA 3 3564 1 | BOSCH 0986049550 | VALEO 440119 | Hyundai: Elantra, i30, Santa Fe I+II, Trajet |
| 72011-0750 | INA F-233970 | POONG SUNG 02131-9110 | LESTER 23098 | Sonata V, Tucson 2.0 CRDi |
| HYUNDAI/KIA 37322-27010 | F-233970.02 | 02131-9111 | 23090 | KIA: Carens II, Cee'd, Cerato, |
| 37322-27012 | F-233970.03 | 02131-9112 | LUCAS LRL02104 | Pro Cee'd, Sportage 2.0 |
| GATES OAP7073 | F-233970.04 | 02131-9113 | HC-PARTS JA1708IR | CRDi 12V 120A |
| | 535004610 | 02131-9310 | | |
| | CARGO 233990 | 02131-9311 | | |
| | 332304 | HYUNDAI/KIA 37300-27010 | | |
| | WAI 24-89251-3 | 37300-27011 | | |
| | | 37300-27012 | | |
| | | 37300-27013 | | |
| | | 37300-27030 | | |
| | | 37300-27031 | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28669



| | |
|-----|------|
| R | 6 |
| OD1 | 53.4 |
| OD2 | 49.5 |
| L | 33.3 |
| ID | 17 |
| CW | |
| S | M 16 |

| Ref: OEM | | ALTERNATOR | | Application |
|--------------|--------------|-----------------|-------------|---|
| BOSCH | INA | BOSCH | BMW | BMW: 116 i 1.6 l |
| F00M147746 | F-236528 | 0121615010 | 12314487081 | 118 i, -Cabrio 2.0 l |
| F00M147914 | F-236528.01 | 0121615110 | 12317516101 | 120 i, -Cabrio, -Coupe 2.0 l |
| F00M349820 | F-236528.02 | 0121715012 | 12317516104 | 125 i Cabrio, -Coupe 3.0 l |
| F00M349898 | F-236528.03 | 0121715112 | 12317516490 | 128 i Cabrio, -Coupe 3.0 l |
| F00M391122 | F-236528.04 | 0124515051 | 12317520495 | 130 i 3.0 l |
| F00M391157 | F-236528.06 | 0124515098 | 12317520992 | 316 i 1.6 l |
| F00M391159 | F-236528.07 | 0124525042 | 12317521384 | 318 i, -Touring 2.0 l |
| F00M991141 | F-236528.1 | 0124525045 | 12317521385 | 320 i, -Cabrio, -Coupe, -Touring, -si 2.0 |
| F00M991301 | 535008210 | 0124525048 | 12317521490 | 323 i, -Cabrio, -Coupe, -Touring 2.5 |
| F00MA47701 | 535018310 | 0124525049 | 12317521491 | 325 i, -Cabrio, -Coupe, -Coupe xDrive |
| BMW | IKA | 0124525059 | 12317522962 | 328 i, -Cabrio, -Coupe, -Coupe xDrive, -Touring |
| 12314466273 | 3 3591 1 | 0124525083 | 12317532965 | 330 xi, -Coupe, -Touring |
| 12317516103 | CARGO | 0124525524 | 12317532966 | 520 i |
| 12317532965 | 234169 | 0399604014 | 12317532969 | 523 i, -Touring, -LI |
| 12317532966 | 333336 | 0986046270 | 12317533270 | 525 i, -Touring, -Touring xDrive, -xDrive |
| 12317552353 | WAI | F00OBL0729 | 12317542529 | 525 xi, -Touring, -LI |
| 12317560483 | 24-91289-3 | VALEO | 12317543083 | 528 i, -xDrive, -xi |
| | | 2542609 | 12317550967 | 530 i, -Touring, -Touring xDrive, -xDrive |
| | | 437375 | 12317550968 | 530xi, -Touring, -LI |
| | | 437435 | 12317551254 | 630 i, -Cabrio |
| | | 439476 | 12317551256 | X1 sDrive 18i |
| | | LESTER | 12317555926 | X1 xDrive 25i, -xDrive 28i |
| | | 11077 | 12317584542 | X3 2.0i, 2.5 si, 3.0i, 3.0si |
| | | 11300 | 13317532965 | X3 xDrive 20i, 25i, 28i, 30i |
| | | 11301 | 14317532965 | X5 3.0si, -xDrive 30i |
| | | 23253 | 15317532965 | Z4 2.0 i, -2.5si, -3.0i, -3.0si, -Coupe |
| | | 23254 | 15317532969 | Lotus: Exige 1.8 |
| | | 23775 | 64128374995 | |
| | | LUCAS | | |
| | | LRA02335 | | |
| | | HC-PARTS | | |
| | | CA1660IR | | |
| | | CA1773IR | | |
| | | CA1774IR | | |

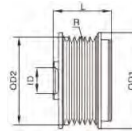
28671



| | |
|-----|------|
| R | 6 |
| OD1 | 58 |
| OD2 | 55 |
| L | 35.5 |
| ID | 17 |
| CW | |
| S | M 16 |

| Ref: OEM | | ALTERNATOR | | Application |
|--------------|--------------|-------------|--------------|-------------------------|
| BMW | INA | BMW | VALEO | BMW: 130i, |
| 12317505927 | F-230329.2 | 12317521178 | 437557 | 316 i/Ci/ti, 318d, |
| 12317516105 | F-230329.02 | 12317516721 | 439560 | 320d, 325i/xi, 330i/xi, |
| 12317536950 | F-230329.04 | 12317516722 | 2542720 | 523i, 525i/xi, 530i/xi, |
| 12317536960 | F-238005 | 12317516723 | 2542720F | 630i, |
| 12317550001 | F-238005.02 | 12317516724 | 2542720G | 730i/Li, |
| 12317570152 | F-238005.05 | 12317521488 | 2542720J | Z4 2.0i |
| VALEO | 535004010 | 12317521489 | SG11B010 | |
| 593539 | 535012710 | 12317521490 | SG12B044 | |
| 593904 | IKA | 12317521491 | SG12B065 | |
| 595203 | 3 5307 1 | 12317525376 | SG14B017 | |
| 2549815 | CARGO | 12317533272 | TG17C015 | |
| 2603341 | 238426 | | TG17C065 | |
| 2604332 | WAI | | | |
| | 24-91306-3 | | | |

OVERRUNNING ALTERNATOR PULLEY



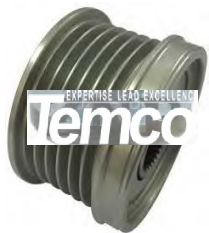
R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28673



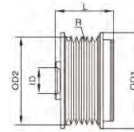
| | | Ref:OEM | ALTERNATOR | Application | | |
|-----|------|--|--|---|--|---|
| R | 7 | BOSCH F00M147761 F00M991167 F00M991282 | INA F-235449 F-235449. 2 F-235449. 02 F-235449. 03 F-235449. 04 F-235449. 05 535008310 | BOSCH 0124615026 10480486 DRA0867 HITACHI LR1190-908B LR1190-919 VW 021903016 021903016A 021903016AV 021903016AX 021903016B 021903016E 021903016EX 021903026B 021903026K 021903026N 03H903023K 03H903023KV 03H903023KX | PORSCHE 95560301601 95560301700 95560311700 95560311900 VALEO 2543242 2606616 2617871B 439624 439684 439856 440269 440596 FG23S025 FG23S073 FGN23S025 FGN23S073 TG17C039 LESTER 11061 11281 23346 | Audi: Q7 (4L) 3.6 FSI 08/2006...05/2010 Porsche: Cayenne (955) 3.2 10/2003 Volkswagen: Phaeton (3D) 3.2 V6 04/2002 Phaeton (3D) 3.2 V6 4Motion 02/2004 Phaeton (3D) 3.2 V6 4Motion 11/2008 Touareg (7L6, 7L7) 3.2V6 FSI 10/2005...05/2010 Touareg (7L6, 7L7) 3.2V6 10/2002...11/2006 |
| OD1 | 61 | | | | | |
| OD2 | 56 | | | | | |
| L | 35.5 | VW 021903119J 021903119L VALEO 588096 2604505 10493077 PORSCHE 94860313500 95560315200 HITACHI GD115070 GD217756 | | | | |
| ID | 17 | | | | | |
| CW | | | | | | |
| S | M 16 | | | | | |

28677



| | | Ref:OEM | ALTERNATOR | Application | | |
|-----|------|--|--|--|---|---|
| R | 6 | BOSCH F00M147800 F00M591103 F00M599423 F00M599427 F00M991204 F00M991257 F00M991283 F00M992750 | INA F-240139 F-240139. 01 F-240139. 02 F-240139. 03 F-240139. 04 F-240139. 05 F-572716 F-576346 F-579237 F-581047 535009510 535015510 IKA 3 5323 1 CARGO 235506 WAI 24-91295-3 | BOSCH 0124325151 0124325156 0124525038 0124525074 0124525093 0124525188 0124525200 0124525220 0124525222 0124525223 0124525527 0124525543 0124812001 0124813009 0125811088 0125811113 0125811032 0125812001 0125813009 0399604018 0986080970 F000BL04K7 F000BL0602 F000BL0618 F000BL0663 F000BL0664 F000BL06W0 F000BL0730 F000BL07N1 F000BL0801 F000BL0863 F000BL08A1 F000BL08C8 BMW 12317628243 12317645044 | VALEO 2542697 2543291 2607765A 437562 439580 439665 440038 440250 442122 TG11C048 TG11C070 TG11V048 TG14C012 TG14C027 TG14C048 CVS082532 VW 03C903203A 03C903203AX 03C903023C 03C903023D 03C903023E 03C903023F 03C903023G 03C903203S 03C903203SX 03C903023T 03C903025D 03C903025DX 03C903204F 03C903205D 03C903205F 03C903205FX 03C903205G 03C903205J 03F903023D 03F903023DX 03F903023F | Audi: A1 1.2/1.4 TFSI A3 1.4 TFSI, -Sportback SEAT: Altea, -XL 1.4 TSI Alhambra 1.4 TSI Ibiza V 1.4 FSI, -Cupra, - Sportcoupe Leon 1.4 TSI Mii 1.0 Toledo IV 1.2 TSI Skoda: Citogo 1.0, Fabia 1.2/1.4 Octavia 1.4 TSI, -Combi Rapid 1.2/1.4 TSI Roomster 1.2 TSI Superb 1.4 TSI, -Combi Yeti 1.2 TSI VW: Beetle 1.2/1.4 Caddy III 1.2 Eos 1.4 TSI Golf V 1.4 TSI, -Variant Golf VI 1.2 TSI, - Variant Golf VI 1.4 TSI Golf VI 1.6 TDI Variant Golf VI 2.0 TDI Variant Golf Plus 1.2/1.4 TSI Jetta III + IV 1.4 TSI Passat 1.4 TSI, -Variant Passat 1.6 FSI, -Variant Polo 1.2/1.4 GTI Scirocco 1.4 TSI Sharan 1.4 TSI Tiguan 1.4 TSI Touran 1.4 TSI up! 1.0 Eco fuel |
| OD1 | 55 | | | | | |
| OD2 | 50 | | | | | |
| L | 34.3 | VW 03C903119A 03C903119C 03C903119D 03C903119F 03C903119G 04C903119 VALEO 2602484 2612626 261626 588018 595219 | | | | |
| ID | 17 | | | | | |
| CW | | | | | | |
| S | M 16 | | | | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28682



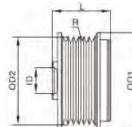
| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|----------------|--------------|----------------|-----------------|------------------------------------|
| R | 6 | BOSCH | INA | BOSCH | VALEO | Dacia: Duster 1.5 dCi |
| OD1 | 59 | F00M147906 | F-550181.03 | 0124415038 | 2542945 | Lodgy 1.5 dCi |
| OD2 | 55 | F00M992723 | F-550181.04 | 0124415041 | 2542946 | Logan 1.4i |
| L | 43.5 | RENAULT | F-550181.05 | 0124415045 | 2543378 | Logan 1.5 Diesel |
| ID | 17 | 7700110616 | F-550191.03 | RENAULT | 2543378A | Sandero 1.5 dCi/1.4/1.6 |
| CW | | 7701477689 | F-557755 | 6001548553 | 2606272A | LADA: LARGUS Box, 1.6 03/12 |
| S | M 16 | 8200548796 | F-552973 | 7700101274 | 2606272D | LARGUS Estate, 1.6 03/12 |
| | | VALEO | 535010510 | 7700427932 | 2607395 | MAHINDRA RENAULT: |
| | | 588004 | 535011710 | 7700434899 | 2607395A | LOGAN, 1.6 CNG 04/07 - |
| | | 595210 | CARGO | 7701477712 | 437559 | MERCEDES-BENZ: |
| | | 2602881 | 231584 | 7711134526 | 439584 | CITAN Box (415), 108 |
| | | 2604211 | 330206 | 7711134564 | 439680 | CDI, 109 CDI , |
| | | VW | 333025 | 7701713149 | 440056 | 111 CDI (415.603, |
| | | 06E903119K | IKA | 8200019706 | 440265 | 415.605) 06/13 |
| | | | 3 5347 1 | 8200030635 | SG9B033 | CITAN Combi (415), 108 |
| | | | WAI | 8200146621 | SG10B016 | CDI, 109 CDI |
| | | | 24-94254-3 | 8200385098 | SG12B089 | 111 CDI (415.703) 06/13 |
| | | | | 8200386806 | SG12B105 | CITAN Mixto (415), 109 |
| | | | | 8200438148 | TG11C034 | CDI, 111 CDI (415.601, |
| | | | | 8200537415 | TG11C041 | 415.603, 415.605)06/13 |
| | | | | 8200660040 | TG11C066 | Nissan: Almera 1.5 dCi |
| | | | | 8200667608 | TG11C069 | Kubistar 1.5 dCi |
| | | | | NISSAN | TG12C094 | Micra III 1.5 dCi |
| | | | | 23100-00QB | TG15C146 | Note 1.5 dCi |
| | | | | 23100-00QBH | 231000026R | NV200 1.5 dCi |
| | | | | | 231003831R | Tiida 1.5 dCi |
| | | | | | LESTER | Renault: Clio II 1.4 / |
| | | | | | 21460 | 1.5 dCi |
| | | | | | 23049 | Fluence 1.5dCi |
| | | | | | LUCAS | Grand Scenic 1.5 dCi |
| | | | | | LRA02974 | Kangoo 1.5 dCi / 1.4/ 1.6 |
| | | | | | HC-PARTS | Laguna I +II 1.6 |
| | | | | | CA1933IR | Megane I+II+III 1.4/1.5 |
| | | | | | CA1975IR | dCi//1.6 |
| | | | | | | Scenic I+II+III |
| | | | | | | 1.4/1.5dCi/1.6 |
| | | | | | | Thalia I+II 1.5 dCi |
| | | | | | | Twingo 1.5 dCi |

28698



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|--------------------|--------------|--------------------|--------------|----------------------------|
| R | 5 | HYUNDAI/KIA | INA | BOSCH | VALEO | Hyundai: Accent II, |
| OD1 | 61 | 37321-22020 | F-236071.02 | 0986081060 | 2543370 | Elentra, Matrix |
| OD2 | 57 | 37321-22200 | F-236071.03 | HYUNDAI/KIA | 2543370A | 1.4/1.5/1.6 |
| L | 41.3 | 37321-22650 | F-236071.04 | 37300-2A000 | 2602220 | Getz i10, -i20, -i30, -i40 |
| ID | 17 | 37321-37406 | F-236071.05 | 37300-2A010 | 2604051 | 1.7 |
| CW | | 37322-2A000 | F-236071.06 | 37300-2A050 | 2606219 | KIA: Ceranto, Pride |
| S | M 16 | 37322-2A100 | F-236071.07 | 37300-2A100 | 2607270 | Cee'd 1.6 |
| | | 37322-2A110 | F-236071.08 | 37300-2A110 | 2607271 | Picanto, Rio II+III, Soul |
| | | 37322-2A120 | 535018710 | 37300-2A150 | 2607316A | 1.5/1.6 CRDi |
| | | 37322-2A500 | IKA | 37300-2A200 | 2609674 | Venga 1.4/1.6 |
| | | VALEO | 3 5414 1 | 37300-2A300 | 2616019A | |
| | | 595286 | WAI | 37300-2A400 | 2617561 | |
| | | 2655507 | 24-94274-3 | 37300-2A401 | 2621365 | |
| | | 588043 | CARGO | 37300-2A500 | 2632042 | |
| | | | 330063 | 37300-2A600 | 2655103 | |
| | | | | 37300-2A601 | 2655475 | |
| | | | | 37300-2A800 | 439607 | |
| | | | | 37300-2A805 | 440123 | |
| | | | | 37300-2A900 | TG12C033 | |
| | | | | 37300-2A950 | TG12C090 | |
| | | | | | TG12C118 | |
| | | | | | TG12C140 | |
| | | | | | TG12C141 | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter 1
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 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw thread

28702



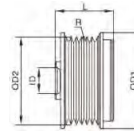
| | | Ref: OEM | ALTERNATOR | | Application |
|-----|------|---------------|--------------|-------------------|---------------|
| R | 7 | BOSCH | IKA | BOSCH | FORD |
| OD1 | 62.7 | F00M349878 | 3 5338 1 | 01210AA68B | 1404792 |
| OD2 | 58.7 | F00M391108 | INA | 0121615003 | 1581844 |
| L | 38.5 | F00M391121 | F-556174. 01 | 0121615103 | 1729366 |
| ID | 17 | F00M391125 | 535012810 | 0124315033 | 1730987 |
| CW | | F00M391123 | WAI | 0124315034 | 1738113 |
| S | M 16 | F00M991221 | 24-91307-3 | 0125711005 | 1745662 |
| | | F00M991916 | 24-91275 | 0125711018 | 1747017 |
| | | F00M991939 | CARGO | 0125711046 | 1800123 |
| | | FORD | 235720 | 0125711049 | 1889372 |
| | | 6C1Q10344AA | 335017 | 0125711103 | 5215796 |
| | | TOYOTA | | 0125711104 | AB3910300AD |
| | | 27415-0L020 | | 0125711133 | AB3910300AE |
| | | 27415-0L040 | | 0125711134 | AB3910300AG |
| | | MAZDA | | 0125811015 | AB3910344AA |
| | | U20118W10 | | 0125811016 | AC1T10300CA |
| | | NTN | | 0986047920 | BK3T10300EA |
| | | 370V1-1 | | 0986082330 | 6C1T10300CA |
| | | | | F000BL0639 | 6C1T10300CB |
| | | | | F000BL06AK | 6C1T10300CC |
| | | | | F000BL06BG | 6C1T10300CD |
| | | | | MAZDA | CC1T10300CA |
| | | | | UK0118300A | CC1T10300CB |
| | | | | UK0118300B | CC1T10300CC |
| | | | | Land Rover | CC1T10300CD |
| | | | | LR008856 | CC1Z10346A |
| | | | | YLE500310 | 7H1210300AA |
| | | | | TOYOTA | 9P2-10300-BD |
| | | | | 27060-0L030 | LESTER |
| | | | | 27060-0L050 | 11689 |
| | | | | 27060-0L060 | 11914 |
| | | | | 27060-0L090 | 20035 |
| | | | | 27060-0L100 | 20415 |
| | | | | LUCAS | 23977 |
| | | | | LRA02978 | |
| | | | | LRA03639 | |

28728



| | | Ref: OEM | ALTERNATOR | | Application |
|-----|------|---------------|---------------|--------------|--------------------------------|
| R | 6 | VALEO | NISSAN | VALEO | Nissan: Altima, Sentra |
| OD1 | 58 | 2650319 | 23100-4BA0A | 2609555 | 2.5L 2007-08 |
| OD2 | 52.6 | NISSAN | 23100-4BA0B | 2609555A | ALL MODE 4x4-i |
| L | 36.5 | 23151-JA02A | 23100-4BA0C | 2611949A | 2.5 (NT32) 12/13 |
| ID | 17 | INA | 23100-JA02A | 2617232 | Primera 2.5 02/, |
| CW | | F-554755 | 23100-JA02B | 2617232A | X-Trail 2.5 (T32) 12/13 |
| S | M 16 | F-554755. 01 | 23100-JA02C | 2620168 | ROGUE 2.5 2016- |
| | | F-601582 | 23100-JA04A | 2650364 | Renault: Koleos 2.5 4x4 |
| | | 535013710 | 23100-JA04C | 2650364A | |
| | | 535029110 | 23300-JA02A | 2650364B | |
| | | IKA | 23100-LA02C | 442318 | |
| | | 3 5499 1 | LESTER | TG11S092 | |
| | | WAI | 11258 | TG12C032 | |
| | | 24-94297 | 11458 | TG12C048 | |
| | | 24-94301 | 11648 | TG12C116 | |
| | | | | TG12C152 | |
| | | | | TG12C168 | |
| | | | | TG12S217 | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter 1
 OD2 = Outer Diameter 2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28753



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|------------|--------------|-------------|----------|---------------------------------|
| R | 6 | VW | INA | BOSCH | VALEO | AUDI: A4 3.2 FSI, quattro |
| OD1 | 70 | 06E903119E | F-239779. 01 | 0121715022 | 2542798 | A4 Avant 3, 2 FSI, quattro |
| OD2 | 64.5 | 06E903119P | F-239779. 02 | 0121715050 | 2542894B | A4 Cabriolet 3.2 FSI, - quattro |
| L | 45 | VALEO | F-239779. 03 | VW | 437528 | A6 2.4, -quattro |
| ID | 17 | 2602216 | F-552973. 01 | 06E903016E | 437563 | A6 2.8 FSI, -quattro |
| CW | | 2602341 | 535013010 | 06E903016F | TG16C011 | A6 3.2 FSI, -quattro |
| S | M 16 | 2604507 | CARGO | 06E903016G | TG17C023 | A6 Allroad 3.2 FSI quattro |
| | | 588084 | IKA | 06E903016L | TG17C044 | A6 Avant 2.4, -quattro |
| | | 593920 | 3 5468 1 | 06E903016LX | LESTER | A6 Avant 2.8 FSI, quattro |
| | | | WAI | 06E903016K | 11160 | A6 3.2 FSI, -quattro |
| | | | 24-94283 | 06E903016T | LUCAS | |
| | | | | 06E903016TL | LRA02365 | |

28755



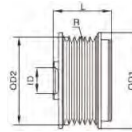
| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|-------------|--------------|------------|------------|----------------------------------|
| R | 6 | BOSCH | INA | BOSCH | FIAT/IVECO | Citroen: Jumper 3.0 HDi |
| OD1 | 59 | F00M349869 | F-550532 | 0124325122 | 504057813 | FIAT: Ducato 11/ 15 160 Multijet |
| OD2 | 55 | F00M599441 | F-550532. 01 | 0124525064 | 504087183 | 17 140 Natural Power |
| L | 35.5 | F00M599500 | F-550532. 02 | 0124525125 | 504204173 | 17 160 Multijet |
| ID | 17 | F00M992758 | F-556500 | 0125811039 | 504385138 | Maxi 17/ 20 160 Multijet |
| CW | | FIAT/IVECO | F-556500. 01 | 0125811040 | 5801580939 | Iveco Daily: 35 C/35 S |
| S | M 16 | 504088796 | 535010310 | F000BL0704 | 5801580941 | 13, 14, 15, 17, 18 |
| | | PEUGEOT | IKA | F000BL0777 | HC-PARTS | 40 C 14, 15, 17, 18/40 S 16 |
| | | 5740. 87 | 3 5388 1 | F000BL0778 | CA1913IR | 45 C 15, 18/45 S 14, 16, |
| | | PORSCHE | WAI | F000BL07N9 | LESTER | 50 C 14, 15, 17, 18 |
| | | 9A160395500 | 24-91325 | LUCAS | 23834 | Iveco Massif: 3.0 |
| | | 9A160395501 | CARGO | LRA03060 | 23835 | Scudato 70 C 16 |
| | | VALEO | 333077 | LRA03061 | 23836 | Multicar: Famo 3.0 |
| | | 588129 | 335267 | LRA03542 | | Peugeot: Boxer 3.0 HDi |

28791



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|----------|--------------|-------------|-----------|--------------------------------|
| R | 6 | GM/SAAD | IKA | BMW | VALEO | BMW: 1 (E81) (E87) (F20) (F21) |
| OD1 | 59 | 13258483 | 3 5458 1 | 12317823343 | 2586548A | 2 Coupe (F22, F87), 10/12 |
| OD2 | 53.7 | 13258485 | INA | 12318507623 | 2613307A | 3 (E90), (F30, F80), 02/04 |
| L | 38 | OPEL | F-239807 | 12318509022 | 2620305A | 4 Convertible (F33, F83), |
| ID | 17 | 1204177 | F-563248 | 12318519890 | FG12S031 | 5 (E60), (F10) |
| CW | | VALEO | F-563248. 01 | 12318578608 | FG12S055 | X1 (E84), 03/09 - 06/15 |
| S | M 16 | 2650158 | F-563248. 02 | 12318579419 | FG12S070 | X3 (E83), (F25) 01/03-12/11 |
| | | 4605956 | F-570802 | OPEL | FG18D057 | X5 (F15, F85), 06/12 - |
| | | 9042437 | F-570802. 01 | 13500314 | FG18D111 | BUICK: RENDEZVOUZ, 3.6 |
| | | | F-570802. 02 | 13500329 | FG18S045 | EXCELLE GT, 1.6T/1.8 10/17 |
| | | | 535020310 | 13500583 | FG18S052 | EXCELLE XT, 1.6T/1.8 |
| | | | WAI | 13500586 | FG18S141 | CHEVROLET: AVEO Hatchback |
| | | | 24-94284 | 13502581 | FG23S032 | (T300), |
| | | | CARGO | 13502593 | FG23S033 | 1. 2/1. 3D/1. 4 |
| | | | 333076 | 13502594 | TG12C036 | MALIBU (V300), 2.0/2.0D |
| | | | | 13502987 | TG12C052 | TRAX, 1.4/1.4 AWD/1.8/1.8 |
| | | | | 13505392 | TG12C069 | CRUZE Saloon, 1.8 06/14 |
| | | | | 13573791 | TG12C070 | OPEL: ADAM (M13), 1.2/1.4 |
| | | | | 13577154 | TG12C083 | ASTRA J Sports Tourer P10 |
| | | | | 13577411 | TG12C103 | 1. 3/1. 4/1. 6/2.0 10/10 |
| | | | | 13588289 | TG12C226 | CASCADA (W13), 2.0 CDTI |
| | | | | 13588298 | TG12S023 | ZAFIRA TOURER C (P12), |
| | | | | 95939943 | TG13S011 | 1. 6/2.0 10/11 |
| | | | | GM | TG13S019 | SAAB: 9-5 (YS3G), 1.6/2.0 |
| | | | | 13222936 | TG13S027 | VAUXHALL: ADAM |
| | | | | 13256931 | TG14C052 | (M13), 1.2/1.4 10/12 |
| | | | | 13577154 | TG15S053 | ASTRA Mk VI (J) (P10), |
| | | | | 13581972 | CVS082555 | 1. 3/1. 4/1. 6/2.0 |
| | | | | 13588311 | CVS082557 | CASCADA Convertible |
| | | | | 13597234 | | (W13), 2.0 CDTI |
| | | | | 9039481 | | CORSA Mk III (D) (S07), |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
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 OD2 = Outer Diameter 2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28793



| | | Ref:OEM | ALTERNATOR | Application |
|-----|------|-------------------------------|-------------------------|------------------------------------|
| R | 6 | HYUNDAI 37322-04330 | INA F-600915 | HYUNDAI 37300-04330 |
| OD1 | 63.5 | VALEO 2618822 | F-587370 535026610 | LUCAS LRA03844 |
| OD2 | 58 | | RUVILLE 58455 | DELCO REMY DRA1188 |
| L | 39.7 | | CARGO 333706 | DRI 224314702 |
| ID | 17 | | | Jinzhou Halla JFZ1929AT1 |
| CW | | | | GWM 3701100-EG01B |
| S | M 16 | | | |

28803



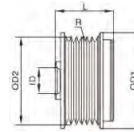
| | | Ref:OEM | ALTERNATOR | Application |
|-----|------|--|---------------------------------------|---|
| R | 6 | BOSCH F00M349903 F00M391150 | INA F-561957 F-561957.03 | BOSCH 0121615032 0121615132 |
| OD1 | 63 | FORD 31285489 | F-561957.04 535020010 | 0121715058 0121715158 |
| OD2 | 58.2 | VOLVO 31285489 | IKA 3 5430 1 | 0125711024 0125711045 |
| L | 50.8 | | WAI 24-91114 | 0125711069 0125711105 |
| ID | 17 | | CARGO 333071 | 0125711106 0125811006 |
| CCW | | | | 0125811034 0125811091 |
| S | M 16 | | | FORD 1682130 1748794 1799802 1799805 9G9N10300AA 9G9N10300BA 9G9N10300BB BG3T10300AB BG9T10300AA BG9T10300AB BJ3210300CA BJ3210300CB |
| | | | | LANDROVER BJ3210300CA BJ3210300CB LR028121 LR031027 LR067840 DELCO REMY DRA1031 VOLVO 30659675 31260072 31260073 36001811 36002584 36002650 LUCAS LRA03615 LRA03679 LESTER 11722 20528 20529 22589 |
| | | | | Ford: Galaxy 2.0 EcoBoost SCTi Mondeo IV 2.0 EcoBoost SCTi S-Max 2.0 EcoBoost SCTi Volvo: S60 II 2.0T, -T5 S80 II 2.0T, -T5 V60 2.0T, -T5 V70 III 2.0T, -T5 XC60 2.0 T, -T5 Jaguar: XF 2.0, XJ 2.0 Freelander: 2.2.0 Si4 AWD LAND ROVER: Range Rover Evoque 2.0 |

28808



| | | Ref:OEM | ALTERNATOR | Application |
|-----|------|-----------------------------------|--------------------------|---|
| R | 6 | HYUNDAI/KIA 37322-2G500 | INA F-567535 | HYUNDAI/KIA 37300-2G500 |
| OD1 | 59 | VALEO 2607575 | F-567535.01 535021710 | 37300-2G600 37300-2G750 |
| OD2 | 55 | 2607575A | GATES OAP7168 | 37300-2G760 37300-2G800 |
| L | 40 | | IKA 3 5483 1 | 37300-2G850 37300-2G855 |
| ID | 17 | | WAI 24-94299 | 37300-2G900 |
| CW | | | CARGO 335239 | |
| S | M 16 | | | VALEO 2606186B 2607928 2612531 2616517 FG15S059 FG15S060 FG15S110 TG11C089 LESTER 11493 11606 11702 11710 14006 |
| | | | | Hyundai: Santa Fé II 2.4 4x4 Santa Fé III 2.4 i40, ix35, SONATA KIA: Sorento II 2.4 CVT 4WD Carens, Magentis, Optima, Sportage |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter 1
 OD2 = Outer Diameter 2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw thread

28823



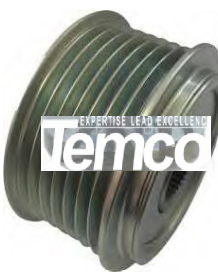
| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|----------------|--------------|---------------|-------------|---|
| R | 6 | BOSCH | WAI | BOSCH | VW | Audi: A4 2.7 TDI, -Avant A4 3.0 TDI, -Avant, - Allroad, -quattro A5 2.7 TDI Cabriolet, - Coupe, A5 2.7 TDI Sportback A5 3.0 TDI Cabriolet, - Coupe, A5 3.0 TDI Sportback A6 2.7/3.0 TDI / TFSI A6 Avant 2.7/3.0 TDI A7 Sportback 3.0 TDI A8 2.8/3.2 FSI A8 4.2/3.0 TDI Q5 3.0 TDI Q7 3.0/4.2/6.0 TDI Porsche: Cayenne 3.0 D Panamera 3.0 D VW: Phaeton 3.0 Touareg 3.0 V6 TDI |
| OD1 | 61 | F00M349911 | 24-91117 | 0121715080 | 059903015P | |
| OD2 | 56 | F00M591145 | INA | 0121715180 | 059903015T | |
| L | 40 | F00M599819 | F-551623 | 0124525228 | 059903016J | |
| ID | 17 | F00M991264 | F-551623.01 | 0124525548 | 059903016T | |
| CW | | HITACHI | F-551623.02 | 0125711035 | 059903017P | |
| S | M 16 | GD115071 | F-551623.03 | 0125711052 | 059903018J | |
| | | VALEO | F-551623.04 | 0125711082 | 059903018K | |
| | | 2604159 | F-551623.06 | 0125711085 | 059903018L | |
| | | 2612688 | 535022210 | 0125711089 | 059903018Q | |
| | | VW | IKA | 0125711091 | 059903018R | |
| | | 059903119G | 3 5467 1 | 0125711124 | 059903018S | |
| | | 059903119H | GATES | 0125711125 | 059903018SX | |
| | | 059903119L | 0AP7166 | 0125711126 | 059903019 | |
| | | 059903119M | CARGO | 0125711147 | 059903019A | |
| | | 06E903119 | 333711 | 0125711148 | 059903019B | |
| | | | | 0125711149 | 059903019C | |
| | | | | 0125711155 | 059903019D | |
| | | | | 0125711156 | 059903019F | |
| | | | | VALEO | 059903019H | |
| | | | | 439784 | 059903019J | |
| | | | | FG18T094 | 059903019JX | |
| | | | | LUCAS | 059903023K | |
| | | | | LRA03736 | 059903023L | |
| | | | | LESTER | 06H903016 | |
| | | | | 11615 | 06E903018J | |
| | | | | 11717 | 06E903018JX | |
| | | | | 11730 | 06E903018T | |
| | | | | 20752 | 06E903019D | |

28831



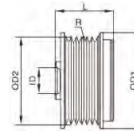
| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|---------------|--------------|---------------|-------------------|--|
| R | 7 | NISSAN | WAI | NISSAN | MITSUBISHI | INFINITI: EX, 09/07 - FX, 07/08 - M (Y51), 03/10 - Q70 (Y51), 03/13 - QX50, 08/13 - QX70, 08/13 - NISSAN: NAVARA Platform/Chassis (D23), NP300 NAVARA (D40), 10/04 NP300 NAVARA Pickup (D23) NV350 / CARAVAN Bus (E26), 05/12 - NV350 Box (E26), 05/12 - PATHFINDER III (R51), QASHQAI / QASHQAI +2 I (J10, JJ10), 12/06 - 12/13 |
| OD1 | 59 | 23150-4KJOA | 24-83310 | 23100-1BN1A | A002TX0781 | |
| OD2 | 55 | 23150-4KJOB | INA | 23100-3XA0A | A002TX2881 | |
| L | 39.8 | 23151-3XN0A | F-561899 | 23100-3XN0A | A2TX0781 | |
| ID | 17 | 23151-5X21A | F-587493 | 23100-5X21A | A2TX1181 | |
| CW | | 23151-5X21B | 535023910 | 23100-BR01A | A2TX2181 | |
| S | M 17 | MELCO | IKA | | A2TX2781 | |
| | | A252C566FD | 3 5480 1 | | A2TX2881 | |
| | | A252C556FE | CARGO | | LESTER | |
| | | A252C600FE | 333702 | | 20381 | |
| | | A252C604FD | VALEO | | 20383 | |
| | | A628X99471 | 588138 | | 20847 | |
| | | JK58A01716A | | | | |
| | | JK58A01718A | | | | |

28832



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|----------------|----------------|-------------------|--------------|---|
| R | 7 | HYUNDAI | RUVILLE | HYUNDAI | VALEO | HYUNDAI: H100, H200, H300 2.5 CRDI H-I CARGO 2.5 CRDI H-I KASTEN 2.5 CRDI H-I TRAVEL 2.5 CRDI H350 Box, Bus 2.5 CRDi HD Light 35 |
| OD1 | 65 | 37322-4A320 | 58450 | 37300-4A320 | 2610011 | |
| OD2 | 60 | 37322-4A321 | INA | 37300-4A700 | 2610454 | |
| L | 40.5 | | F-576631 | POONG SUNG | LUCAS | |
| ID | 17 | | F-576631.01 | 02131-9340 | LRA03351 | |
| CW | | | 535024510 | | LRA03798 | |
| S | M 16 | | IKA | | | |
| | | | 3 5517 1 | | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28861



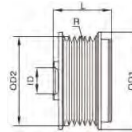
| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|-------------------|----------------|-------------------|-------------|-----------------------------------|
| R | 6 | BOSCH | VALEO | BOSCH | VW | AUDI: A1 (8X1, 8XF), 05/10 |
| OD1 | 58 | F000BL9179 | 2621788 | 0125811004 | 04C903023H | A1 Sportback (8XA, 8XK), |
| OD2 | 52.3 | F00M591112 | 535132 | 0125811033 | 04C903023K | A3 (8V1), 04/12 - |
| L | 53.5 | F00M591133 | LITENS | 0125811074 | 04C903023L | A3 Convertible (8V7), |
| ID | 17 | F00M599448 | 920046 | 0125811111 | 04C903023LX | A3 Limousine (8VS), 05/13 |
| CW | | F00M599548 | 1000358 | 0125811112 | 04E903021M | A3 Sportback (8VA), 09/12 |
| S | M 16 | AUDI/VW | 1000847 | F000BL0861 | 04E903021MX | A4 (8W2, B9), 05/15 - |
| | | 04E903201 | INA | F000BL0862 | 04E903021N | A4 Avant (8W5, B9), 08/15 |
| | | 04E903201A | 535027910 | F000BL08F2 | 04E903021P | Q3 (8U), 06/11 - |
| | | 04E903201E | IKA | DELCO REMY | 04E903021PX | SEAT: ALHAMBRA (710, 711), |
| | | 04E903219B | 3 5505 1 | DRA1168 | 04E903021Q | IBIZA V (6J5, 6P1), 03/08 |
| | | 8V0903119 | RUVILLE | VALEO | 04E903021R | IBIZA V SPORTCOUPE |
| | | 8V0903119A | 56395 | 2622499 | 04E903023C | (6J1, 6P5) |
| | | SEAT/SKODA | | 2622499A | 04E903023G | IBIZA V ST (6J8, 6P8), |
| | | 04E903201 | | TG14C071 | 04E903023H | LEON (5F1), 09/12 - |
| | | 04E903201A | | TG14C075 | 04E903023L | LEON SC (5F5), 01/13 - |
| | | 04E903201E | | Lester | 04E903024G | LEON ST (5F8), 08/13 - |
| | | 04E903219B | | 20351 | 04E903024GX | TOLEDO IV (KG3), 07/12 - |
| | | 8V0903119 | | LUCAS | 04E903024J | SKODA: FABIA (NJ3), 08/14 |
| | | 8V0903119A | | LRA03893 | 04E903025H | FABIA Estate (NJ5), 10/14 |
| | | | | | 04E903025J | OCTAVIA (5E3), 11/12 - |
| | | | | | 04E903025JX | OCTAVIA Combi (5E5), |
| | | | | | | RAPID (NH3), 07/12 - |
| | | | | | | RAPID Spaceback (NH1), |
| | | | | | | SUPERB (3V3), 03/15 - |
| | | | | | | SUPERB Estate (3V5), |
| | | | | | | YETI (5L), 05/09 - |
| | | | | | | VW: BEETLE (5C1), 04/11 - |
| | | | | | | BEETLE Convertible (5C7), |
| | | | | | | CADDY ALLTRACK Box (SAA), |
| | | | | | | CADDY ALLTRACK |
| | | | | | | Estate (SAB), |
| | | | | | | CADDY IV Box (SAA, SAH), |
| | | | | | | CADDY IV Estate (SAB, SAJ) |
| | | | | | | CC (358), 11/11 - |
| | | | | | | GOLF SPORTSVAN (AM1), |
| | | | | | | GOLF VI Convertible (517), |
| | | | | | | GOLF VII (5G1, BE1), |
| | | | | | | GOLF VII Estate (BA5), |
| | | | | | | JETTA IV (162, 163), |
| | | | | | | PASSAT (3G2), 08/14 - |
| | | | | | | PASSAT Variant (3G5), |
| | | | | | | POLO (6R, 6C), 06/09 - |
| | | | | | | SCIROCCO (137, 138), |
| | | | | | | SHARAN (7N1, 7N2), 05/10 |
| | | | | | | TIGUAN (5N_), 09/07 - |
| | | | | | | TOURAN (5T1), 05/15 - |

28898



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|-------------|--|------------|--------------|-------------------|
| R | 6 | INA | | | SGMW | GWM: H3 H5 |
| OD1 | 55 | F-584157 | | | 8340012 | Hover H5 2.0 |
| OD2 | 50 | F-584157.01 | | | 23979898 | |
| L | 37 | | | | 26668843 | |
| ID | 17 | | | | JFZ11033 | |
| CW | | | | | JFZ1924 | |
| S | M 16 | | | | JFZ1924A | |
| | | | | | FGN12D31S132 | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
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 CCW = Counter Clockwise
 S = Screw Thread

28590A



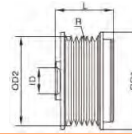
| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|---------------|--------------|-----------------|-------------|---|
| R | 7 | BOSCH | IKA | BOSCH | FORD | Ford: Transit 2.4 TD, -TDCi, -TDE, -TDI FT 260 K/S, FT 280 L, M, S FT 300 S, FT 310 S FT 330 K/S, L, M, S FT 350 EL, L, M FT 430 EL, M |
| OD1 | 61.5 | F00M991078 | 3 3562 1 | 0124325100 | 4069776 | |
| OD2 | 59 | F00M991116 | INA | 0124315019 | 4098414 | |
| L | 69 | F00M991192 | F-563432. 1 | 0124315027 | 4461712 | |
| ID | 17 | F00M148604 | 535007010 | 0986042650 | 4332279 | |
| CW | | FORD | 535007030 | 0986045370 | 4362258 | |
| S | M 16 | YC1T10A352AC | WAI | B120416351 | YC1T10300BC | |
| | | YC1U10A352BA | 24-91266-4 | VALEO | YC1T10300BD | |
| | | LITENS | CARGO | 437690 | YC1T10300BE | |
| | | 920574 | 333449 | 1516508R | YC1T10300BG | |
| | | | | LUCAS | YC1T10300BH | |
| | | | | LRA01928 | YC1T10300BJ | |
| | | | | HC-PARTS | 2C3U10300BB | |
| | | | | CA1639IR | 2C1T10300BA | |
| | | | | CA1779IR | | |

28650A



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|-----------------|---------------|--------------|-----------------|---|
| R | 6 | DENSO | LITENS | DENSO | CHRYSLER | Chrysler: Voyager III+IV 3.3/3.8 AWD Pacifica V6 3.8 Town&Country 3.3/3.8 Voyager 3.3/3.8/3.8i Dodge: Caravan Pontiac: Vibe 1.8 Toyota: Auris 1.6, -VVTI, -1.8 Avenis 1.6/1.8/2.0 Corolla 1.6, -VVTI, -1.8 Matrix 1.8 RAV 4 III 2.0/2.5 Verso 1.6/1.8 |
| OD1 | 61 | 021040-1811 | 600685 | 104210-1461 | 04868430 | |
| OD2 | 55 | 021010-1440 | 600834 | 104210-1464 | 04868431 | |
| L | 43.5 | CHRYSLER | 920685 | 104210-2180 | 04868430AB | |
| ID | 17 | 04861506AB | 920834 | 104210-2181 | 04868430AC | |
| CW | | 04861506AD | 920906 | 104210-2270 | 04868430AD | |
| S | M 14 | 04861506AE | WAI | 104210-2340 | 04868430AE | |
| | | 04861506AF | 24-82289-4 | 104210-2380 | 04868430AF | |
| | | 04861506AG | IKA | 104210-2381 | 04868431AB | |
| | | 04861506AH | 3 5377 1 | 104210-2791 | 04868431AC | |
| | | TOYOTA | INA | 104210-5480 | 04868431AD | |
| | | 27415-0T010 | 535020810 | 104210-5490 | 04868431AF | |
| | | 27415-0T010A | CARGO | 104210-5491 | 04868431AG | |
| | | 27415-0T011 | 332486 | 104211-3290 | 04868760AD | |
| | | 27415-0T060 | 333063 | 104211-3291 | 04868760AE | |
| | | 27415-0W020 | | 104211-3293 | 04868760AF | |
| | | 27415-0W020B | | 104211-3301 | 04868760AH | |
| | | 27415-0W021 | | 104211-3303 | 56044530AA | |
| | | 27415-0V040 | | 104211-3501 | 56044530AB | |
| | | | | 104211-3531 | 56044530AC | |
| | | | | 104211-3541 | 56044530AD | |
| | | | | 121000-3581 | 56044532AA | |
| | | | | 121000-3850 | 56044532AB | |
| | | | | 121000-3851 | 56044532AC | |
| | | | | 121000-4520 | 56044532AD | |
| | | | | 121000-4550 | TOYOTA | |
| | | | | 421000-0011 | 9794219-528 | |
| | | | | 421000-0012 | 27060-0T030 | |
| | | | | 421000-0013 | 27060-0T031 | |
| | | | | 421000-0021 | 27060-0T040 | |
| | | | | 421000-0022 | 27060-0T041 | |
| | | | | 421000-0023 | 27060-0T050 | |
| | | | | 421000-0024 | 27060-0T051 | |
| | | | | 421000-0025 | 27060-0T130 | |
| | | | | 421000-0026 | 27060-0T340 | |
| | | | | 421000-0027 | 27060-0V010 | |
| | | | | 421000-0028 | 27060-0V140 | |
| | | | | 421000-0141 | 27060-0V170 | |
| | | | | 421000-0142 | 27060-36010 | |
| | | | | 421000-0145 | 27060-36090 | |
| | | | | 421000-0222 | 27060-37050 | |
| | | | | 421000-0223 | 27060-37051 | |
| | | | | 421000-0225 | 27060-37071 | |
| | | | | 421000-0300 | | |
| | | | | 421000-0301 | | |
| | | | | 421000-0302 | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28696A



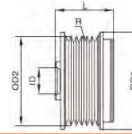
| | | Ref:OEM | ALTERNATOR | | Application |
|-----|------|---|----------------------------------|---|--|
| R | 7 | DENSO 021040-1550 104210-4880 | IKA 3 5378 1 | DENSO 104210-2462 104210-3780 | TOYOTA: Camry 2.4 RAV-4 III 2.4 Previa 2.4 SUZUKI: GRAND VITARA 1.9 DDIS For: Denso IR/IF Alternators Used On: (2008-06) Toyota |
| OD1 | 61.5 | TOYOTA 27415-0W040 | WAI 24-82291-4 | TOYOTA 9794219-246 27060-0H110 | |
| OD2 | 55 | 27415-0W041 | INA 535019810 | 27060-0H111 27060-0H211 | |
| L | 49.2 | 27415-0W041-A 27415-0W040-B 27415-0W040-C | CARGO 330850 333454 | 27060-28260 27060-28300 27060-28310 | |
| ID | 17 | 27415-0W042 | | 27060-28311 27060-28320 | |
| CW | | LITENS 920802 | | 27060-28321 27060-28340 | |
| S | M 14 | | | LESTER 11088 11195 11201 | |
| | | | | GM 88975511 | |

28738



| | | Ref:OEM | ALTERNATOR | | Application |
|-----|------|---|----------------------------|--|---|
| R | 7 | TOYOTA 27415-0W010-A 27415-0W010-B | FLENNOR FGF0051 | DENSO 104210-2030 104210-2031 | Jeep: Patriot 2.2 Lexus: ES 350, -Sedan 24V GS 3.0, -300 GS 4.3 VVTi, -430 GS 450h, -460 IS 220d IS 250, -Sedan 24V IS 350, -Sedan 24V RX 300 RX 3.3, -330 Sport Utility 24V RX 350, -Sport Utility 24V RX 400h, -450h Toyota: Landcruiser 4.0, -V6 VVTi RAV 4 III 3.5 VVTi MARK X GRX120/GRX125 2004-2009 |
| OD1 | 59 | 27415-0W010-C | IKA 3 5415 1 | 104210-2032 104210-2050 | |
| OD2 | 52.7 | 27415-0W010 | INA 535020910 | 104210-2051 104210-2090 | |
| L | 42 | 27415-0W130 | WAI 24-82290-4 | 104210-2100 104210-2140 | |
| ID | 17 | 27415-0W131 27415-0W061 | LESTER 7990-9052 | 27060-31030 27060-31031 27060-31040 | |
| CW | | NIPPON 104210-4680 | CARGO 333062 | 27060-31041 27060-31042 | |
| S | M 14 | LITENS 600726 600954 920726 920954 | | 27060-31050 27060-31051 27060-31052 27060-31060 27060-31061 27060-31062 27060-31070 27060-31071 27060-31072 27060-31080 27060-31081 27060-31082 27060-31090 27060-31091 27060-31100 27060-31101 27060-31102 27060-31110 27060-31111 27060-31112 27060-31161 27060-31162 27060-31180 27060-31190 27060-31201 27060-31211 27060-31220 27060-75350 27060-75371 27060-75380 | |
| | | | | TOYOTA 27060-0P041 27060-0P060 27060-0P130 27060-0P140 27060-0P141 27060-0P150 27060-0P151 27060-0P180 27060-0P181 27060-0P182 27060-0P183 27060-0P190 27060-0P191 | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
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 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28748A



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|-------------------|---------------|--------------|-------------------|----------------------------------|
| R | 18 | FORD | INA | BOSCH | VOLVO | Ford: Galaxy 2.0 TDCi |
| OD1 | 68 | 6G9N10D311AA | 535017510 | 0121615011 | 30644805 | S=Max 2.0 TDCi |
| OD2 | 62 | 6G9N100321AA | 535020610 | 0121615111 | 31110082 | Volvo: S60 II T6 AWD 3.0 |
| L | 47.5 | 6G9N6A312AE | IKA | 0121715009 | 31110085 | 1 |
| ID | 17 | VOLVO | 3 5372 1 | 0121715109 | 36000209 | S80 II 3.2, -AWD, -T6 AWD |
| CCW | | 30750109 | 3 5428 1 | 0125811051 | 36000210 | V60 T6 AWD |
| S | M 16 | 30750111 | 3 5429 1 | 0125811052 | 36012382 | V70 III 3.2, -AWD, -T6 |
| | | 30750409 | CARGO | FORD | LAND ROVER | AWD |
| | | 31316804 | 333078 | 1387927 | LR002426 | XC60 3.2, -AWD, -T6 AWD |
| | | LAND ROVER | WAI | 6G9N10300LA | LR007089 | XC70 II 3.2 WD, -AWD, -T6 |
| | | LR001470 | 24-91335-4 | 6G9N10300MA | LR031223 | AWD |
| | | LR001974 | LITENS | 6G9N10300XC | LESTER | XC90 3.2, -AWD, -FWD |
| | | LR025968 | 920803 | LUCAS | 11345 | LAND ROVER: Freelander II |
| | | | | LRA03460 | 11346 | 3.2i6 3.0i |

28752A



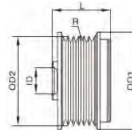
| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|-----------------|---------------|---------------|-----------------|-----------------------------------|
| R | 6 | MELCO | INA | MELCO | CHRYSLER | Chrysler: Sebring, Caliber |
| OD1 | 57 | A234D037BC | 535025610 | A002TJ0481ZC | 04801323AB | Dodge: Caliber |
| OD2 | 53 | A252C5221C | 535028110 | A2TJ0481 | 04801323AC | 1.8/2.0/2.4 |
| L | 48.2 | A252C5421C | WAI | A2TJ0481ZC | 04801323AD | Jeep: Patriot, Compass |
| ID | 17 | A252C5511C | 24-83278-4 | A2TX0281 | 04801477AA | 1.8, 2.0, 2.4l, -Turbo |
| CW | | CHRYSLER | CARGO | A3TJ2581 | 04801490AA | Mitsubishi: ER/IF |
| S | M 17 | 04891737AB | 235873 | A3TJ2581ZC | 4801477AA | Alternators |
| | | 04891767AB | 333463 | LESTER | 4801490AA | |
| | | 047891737AA | LITENS | 11231 | LUCAS | |
| | | 4891737AB | 600810 | 11228 | LRA02932 | |
| | | IKA | 920810 | 11440 | | |
| | | 3 5412 1 | | | | |

28769A



| | | Ref:OEM | | ALTERNATOR | | Application |
|-----|------|--------------|----------------|-------------------|-------------------|-----------------------------------|
| R | 6 | KOYO | INA | BOSCH | FORD | Chrysler: 300 5.7 Liter |
| OD1 | 59 | WCPN36RC4X | F-580053 | 0986082390 | 8W8310300AB | V8-345 CID 11/16 |
| OD2 | 54 | DENSO | F-580053.01 | CHRYSLER | 8W8310300AC | Dodge: Challenger 5.7 |
| L | 40.5 | 021040-2560 | F-580053.02 | 04801833AB | 8W8310300AD | Liter V8 - 345 CID |
| ID | 17 | | F-580053.03 | P04801833AB | 8W8310300BA | Charger 5.7 Liter V8 - |
| CW | | | 535026310 | DENSO | 8W8310300BB | 345 CID 11/16 |
| S | M 14 | | RUVILLE | 021080-1360 | AH2210300AB | Durango 5.7 Liter V8 - |
| | | | 58423 | AH2210300AD | AH2210300AD | 345 CID 11/16 |
| | | | CARGO | 104210-2420 | CPLA10300AB | Jaguar : XF V8 4.2L 4196cc |
| | | | 333708 | 104210-2421 | CPLA10300AC | 2010 |
| | | | | 104210-2422 | CPLA10300BD | XF V8 5.0L 5000cc 2010 |
| | | | | 104210-2450 | CPLA10300BE | XFR V8 5.0L 5000cc 2010 |
| | | | | 104210-2810 | LAND ROVER | XK V8 5.0L 5000cc 2010 |
| | | | | 104210-5360 | BJ3210300AC | XKR V8 5.0L 5000cc 2010 |
| | | | | 104210-5361 | LR013847 | XKR V8 5.0L 5000cc 305cid |
| | | | | 104210-6360 | LR023405 | 2010 |
| | | | | 104210-6420 | LR028116 | Jeep: Grand Cherokee 5.7 |
| | | | | 104210-6421 | LR031026 | Liter V8 - 345 CID 2009- |
| | | | | 104210-6480 | LR031027 | 2015 |
| | | | | 104210-6481 | LR034013 | LAND ROVER: RANGE ROVER |
| | | | | 104210-6482 | LR034031 | EVOQUE (LV), 06/11 - |
| | | | | 104210-6483 | LR054994 | 2.2 D06/11 -110i 2.2 D |
| | | | | 421000-7020 | LR065866 | 4x406/11 -110i |
| | | | | 421000-7021 | LR072756 | 2.2 D 4x406/11 -140i |
| | | | | TN421000-7021 | LR072764 | SUZUKI: SWIFT DSL |
| | | | | DELCO REMY | JAGUAR | |
| | | | | DRA0998 | 1123-15305-10 | |
| | | | | DRA1577 | C2Z17063 | |
| | | | | DAN1105 | | |
| | | | | DAN1106 | | |
| | | | | DAN1112 | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter1
 OD2 = Outer Diameter2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28770



| | |
|-----|------|
| R | 6 |
| OD1 | 61 |
| OD2 | 55.5 |
| L | 42 |
| ID | 17 |
| CW | |
| S | M 16 |

| Ref:OEM | | ALTERNATOR | | Application |
|--------------|----------------|---------------|-------------|---|
| BOSCH | WAI | BOSCH | VW | Audi: A1 (8X1, 8XK, 8XF), 05/10 -A1 Sportback (8XA, 8XF, 8XK), 09/11 - A3 (8V1), 04/12 -A3 Convertible (8V7), A4 1.8 TFSI, -Avant, A4 2.0 TFSI, -Avant, - Allroad, -Avant quattro, A5 1.8 TFSI Cabriolet, - Coupe-Sportback A5 2.0 TFSI Cabriolet, A5 2.0 TFSI Coupè quattro, --Sportback A6 2.0 TFSI A7 Sportback (4GA, 4GF), Q3 (8U), 06/11 -Q5 (8R), Q5 2.0 TFSI Quattro TT (FV3), 07/14 -TT Roadster (FV9), SEAT: Exeo 1.8/2.0 TSI Exeo ST 1.8/2.0 TSI SKODA: OCTAVIA (5E3), SUPERB (3V3), 03/15 - VW: Amarok 2.0TSI PASSAT ALLTRACK (3G5), PASSAT Variant (3G5), POLO (6R, 6C), 06/09 - SCIROCCO (137, 138), |
| F00M147910 | 24-91324 | 0124525113 | 06A903023B | |
| F00M991277 | INA | 0124525210 | 06A903023E | |
| F00M992742 | 535021010 | 0124525226 | 06A903023F | |
| F00MA47706 | IKA | 0125711044 | 06A903023G | |
| VW | 3 5406 1 | 0125711051 | 06H903016L | |
| 06A903119 | CARGO | 0125711090 | 06H903016LX | |
| 06H903119 | 333074 | 0125711127 | 06H903016S | |
| 06H903119A | RUVILLE | 0125711128 | 06H903017D | |
| 06H903119B | 59972 | 0125711151 | 06H903017J | |
| 06H903201C | LITENS | 0986081370 | 06H903017S | |
| 06H903201D | 600851 | F000BL0803 | 06H903017T | |
| 06H903201H | 920851 | F000BL0829 | 06H903017T | |
| 06J903119 | 1000227 | Valeo | 06H903017TX | |
| | 1000555 | 2611133 | 06H903018H | |
| | S00003616 | 2611730 | 06H903018HX | |
| | | 439736 | 06H903018J | |
| | | 439814 | 06J903023A | |
| | | 440326 | 06J903023B | |
| | | 440468 | 06J903023G | |
| | | FG18T074 | 06J903023GX | |
| | | FG18T117 | 06J903023H | |
| | | TG14C041 | 06J903023HX | |
| | | TG14C104 | 06J903023N | |
| | | TG15S184 | 06J903023P | |
| | | SG14S024 | 06J903023R | |
| | | LESTER | 06K903015A | |
| | | 11466 | 06K903015AX | |
| | | 11727 | | |

28801



| | |
|-----|------|
| R | 6 |
| OD1 | 63.5 |
| OD2 | 55.5 |
| L | 41.2 |
| ID | 17 |
| CW | |
| S | M16 |

| Ref:OEM | | ALTERNATOR | | Application |
|---------------|---------------|--------------|-----------------|---|
| VALEO | WAI | VALEO | GM | Chevrolet: Camaro V6 3.6L 217cid 2010-2012. Camaro V6 3.6L 3564cc 217cid 2011-2012 GM: Buick LaCrosse 2.0L/1.6T Regal 2.0L, 2.4L/1.6T OPEL 95515961 1202331 1204651 13500332 Vauxhall 13588330 95515961 |
| 2605529 | 24-94290-4 | 2619788A | 13500331 | |
| 268C1 | LITENS | 2605325 | 13500355 | |
| 702052 | 600915 | 2650730 | 13502988 | |
| KDAC | 700037 | FG12S015 | 22962097 | |
| 222562 | 920915 | FG15S018 | 9012564 | |
| LESTER | | FG15S020 | 9043990 | |
| 7908-3470 | | FG15S026 | 9054269 | |
| | | FG15S077 | OPEL | |
| | | FG15S100 | 95515961 | |
| | | TG12C065 | 1202331 | |
| | | TG12C176 | 1204651 | |
| | | TG12C177 | 13500332 | |
| | | CVS082547 | Vauxhall | |
| | | CVS082548 | 13588330 | |
| | | | 95515961 | |

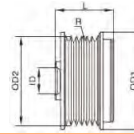
28820



| | |
|-----|------|
| R | 6 |
| OD1 | 69 |
| OD2 | 66 |
| L | 52.2 |
| ID | 18 |
| CW | |
| S | |

| Ref:OEM | | ALTERNATOR | | Application |
|-------------------|---------------|------------|-------------------|--|
| FORO | INA | | BOSCH | Volvo: XC70 3.2 V70 3.2, -T6 3.0 Turbo S60/80 II 3.2 XC90 3.2 LAND ROVER: FREELANDER 2 (FA) 3.2 I6 HSE 4X4 |
| 6G9N6A213AE | 535019510 | | 0121715109 | |
| 6G9N6A312AE | IKA | | LAND ROVER | |
| 6G9N6A213AF | 3 5371 1 | | LR031223 | |
| VOLVO | CARGO | | VOLVO | |
| 30750929 | 333431 | | 30644805 | |
| 30777744 | LITENS | | LUCAS | |
| 31316803 | 600821 | | LRA03479 | |
| LAND ROVER | 920821 | | | |
| LR004305 | | | | |
| LR005993 | | | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
 OD1 = Outer Diameter 1
 OD2 = Outer Diameter 2
 L = Length
 ID = Inner Diameter
 CW = Clock Wise
 CCW = Counter Clockwise
 S = Screw Thread

28849



| | |
|-----|------|
| R | 4 |
| OD1 | 66 |
| OD2 | 59.2 |
| L | 41 |
| ID | 17 |
| CW | |
| S | M 17 |

| Ref:OEM | | ALTERNATOR | | Application |
|------------|--------------|------------|-------------|---|
| FORD | FJ7E10A352AA | FORD | CJ5T10300FA | Ford: Escape SE Sport Utility 4-Door Titanium Sport Utility 4-Door 2.0L 1999CC 122Cu. In. 14 GAS DOHC Turbocharged 13-14 |
| | DJ5Z10344A | | CJ5Z10346E | |
| MITSUBISHI | A252C583IC | MITSUBISHI | A003TX1382 | |
| WAI | 24-83304-4 | | A3TX1382 | |
| LITENS | 920022 | LESTER | 11655 | |
| | 920022A | | | |

28855



| | |
|-----|------|
| R | 6 |
| OD1 | 70 |
| OD2 | 65.3 |
| L | 43.2 |
| ID | 17 |
| CW | |
| S | M 14 |

| Ref:OEM | | ALTERNATOR | | Application |
|---------|---------------|-----------------|---------------|--|
| HONDA | 31141-RV0-A01 | ACURA | DENSO | Honda: Acura RDX Base V6 3.5 (2011-2014) Pilot EX Sport Utility 4-Door Pilot LX Sport Utility 4-Door Pilot SE Sport Utility 4-Door Pilot Touring Sport Utility 4-Door 3.5L 3471CC V6 2015 Odyssey EX Mini Passenger Van 4-Door Odyssey EX-L Mini Passenger Van 4-Door Odyssey LX Mini Passenger Van 4-Door Odyssey Touring Elite Mini Passenger Van 4-Door Odyssey Touring Mini Passenger Van 4-Door 3.5L 3471CC V6 2011 |
| WAI | 24-82324-4 | HONDA | 104210-1240 | |
| LITENS | 920993 | 06311-RV0-505RM | 104210-1600 | |
| | | 31100-5G0-A02 | 104210-1890 | |
| | | 31100-5G0-A02RM | 104210-1990 | |
| | | 31100-5J6-A01 | 104210-8300 | |
| | | 31100-R70-A11 | 104211-1600 | |
| | | 31100-R8A-A01 | 104211-8300 | |
| | | 31100-R9P-A01 | 104211-8510 | |
| | | 31100-RV0-A01 | 104211-8520 | |
| | | 31100-RV0-A01 | 104211-8760 | |
| | | 31100-RV0-A11 | 9764219-124 | |
| | | 31100-RV0-A11 | TN104210-1890 | |
| | | 31100-RV0-A01RM | LESTER | |
| | | CSJ24, CSJ60 | 11573 | |
| | | CSJ89, CSJ99 | 11600 | |
| | | CSK30, CSK51 | 11670 | |
| | | | 11672 | |
| | | | 11773 | |
| | | | 11774 | |
| | | | 11775 | |

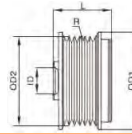
28857



| | |
|-----|------|
| R | 6 |
| OD1 | 54 |
| OD2 | 49 |
| L | 36 |
| ID | 17 |
| CW | |
| S | M 14 |

| Ref:OEM | | ALTERNATOR | | Application |
|---------|-------------|-------------|-------------|--|
| DENSO | 021040-2400 | DENSO | BMW | BMW: 114 i; 116 i; 118 i; 125 I 2011-2016 220 i; 228 I 2011-2016 316 i; 320 i; 320 i xDrive; 328 i; 328 ixDrive 420 i; 420 i xDrive; 428 i; 428 ixDrive 2013-2016 520 i; 528 i; 528 i xDrive 2011-2016 X1, sDrive 16 i; sDrive 20 i; xDrive 20 i; xDrive 28 I 2011-2015 X3, sDrive 20 i; xDrive 20 i; xDrive 28 I X4xDrive 20 i; xDrive 28 I Z4, sDrive 18 i; sDrive 20 i; sDrive 28 I 3.0 Liter L6-2966 CC Ford: B-Max 1.0 EcoBoost Ecosport 1.0 EcoBoost Fiesta 1.0 EcoBoost Focus 1.0 EcoBoost |
| INA | F-580452 | 104210-1730 | 12317552816 | |
| | F-610954 | 104210-1731 | 12317605060 | |
| | 535026810 | 104210-1732 | 12317605061 | |
| IKA | 3 5487 1 | 104210-3320 | 12317605478 | |
| RUVILLE | 55269 | 104210-6040 | 12317605479 | |
| ZEN | 5635 | 104210-6330 | 12317605480 | |
| CARGO | 333707 | 104210-6331 | 12317610260 | |
| | | 104210-6332 | 7605060 | |
| | | 104210-6334 | 7605061 | |
| | | 104210-6390 | 7605478 | |
| | | 104210-6391 | 7605479 | |
| | | 104210-6392 | 7605480 | |
| | | 104210-6393 | FORD | |
| | | 104210-6394 | CV6T10300BC | |
| | | 104210-6395 | CV6T10300BE | |
| | | 104210-6400 | CV6T10300FA | |
| | | 104210-6401 | D2BT10300AA | |
| | | 104210-6402 | DBBZ10346A | |
| | | 104210-6403 | 1764816 | |
| | | 104210-6404 | 1795985 | |
| | | 104210-6405 | | |
| | | 104211-3320 | | |

OVERRUNNING ALTERNATOR PULLEY



R = Grooves
OD1 = Outer Diameter 1
OD2 = Outer Diameter 2
L = Length

ID = Inner Diameter
CW = Clock Wise
CCW = Counter Clockwise
S = Screw Thread

28886



| | | Ref:OEM | ALTERNATOR | Application |
|-----|------|----------------------------|----------------------------|---|
| R | 6 | HYUNDAI/KIA 37320-2B000 | HYUNDAI/KIA 37300-2B101 | Hyundai: Elantra 1.6 i20, i30 1.4/1.6/GDI i40 1.6/2.0 ix20 1.4/1.6 ix35 2.0/4WD Optima Sonata Veloster 1.6 GDI Kia: Ceed 1.4/1.6 Pro Ceed 1.4/1.6 Rio III 1.4 Soul 1.6 Venga 1.4/1.6 |
| OD1 | 62 | VALEO 2610127 | VALEO 37300-2B150 | |
| OD2 | 58 | LITENS 920019 | 37300-2B200 37300-2B300 | |
| L | 45.5 | CARGO 333687 | 37300-2B520 37300-2B700 | |
| ID | 17 | IKA 3 5494 1 | 37300-2B710 37300-2B750 | |
| CW | | WAI 24-94292-4 | 37300-2B760 | |
| S | M 16 | INA 535027110 | | |
| | | RUVILLE 58456 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

28580



| | | Ref:OEM | ALTERNATOR | Application |
|-----|----|---------------------|------------|--|
| R | 33 | Bosch 4000215100 | | Clutch pulley socket, used on Bosch & Delco and Valeo units with INA style pulleys. |
| OD1 | | Delco AB-0900K | | |
| OD2 | | ZEM 12623 | | |
| L | | | | |
| ID | | | | |
| CW | | | | |
| S | | | | |

28580A



| | | Ref:OEM | ALTERNATOR | Application |
|-----|---|-------------------|------------|---|
| R | 6 | Delco AZ-0900K | | Clutch pulley socket, used on Denso units with Litens style pulleys. |
| OD1 | | | | |
| OD2 | | | | |
| L | | | | |
| ID | | | | |
| CW | | | | |
| S | | | | |

28580TJ



| | | Ref:OEM | ALTERNATOR | Application |
|-----|--|------------------|------------|--|
| R | | LUK 400024110 | | for all IDP / OAP Pulleys and Rubber Clutch Pulleys |
| OD1 | | IKA 3 5450 1 | | |
| OD2 | | | | |
| L | | | | |
| ID | | | | |
| CW | | | | |
| S | | | | |

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