

87-718-15

W3D[®]

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BALL/NEEDLE BEARINGS



Waiglobal
a USA company





Bearings

OEM/OES Approved Supplier

BEST IN CLASS FOR CONSISTENCY, QUALITY, PERFORMANCE AND PRICE

There are three keys to long bearing life: Seals, Grease and Mechanical Components. Failure in any one of these areas will cause failure of the bearing and failure of the part in which it's installed, resulting in an unhappy customer and an expensive return.

By specifying only the highest quality in these key areas and testing to the highest international automotive standards, the WBD bearing, available only from WAlglobal, performs as well as premium bearings that cost 2 or 3 times more.

SEALS:

WBD bearings are manufactured with the highest quality hybrid polyacrylic seals.

- Ensure extreme temperature protection.
- Eliminates grease contamination and leakage.

GREASE:

WBD bearings use Kyodo Yushi ET-K high performance grease.

- Extreme temperature protection in any automotive environment.
- Load-dissipating viscosity ensures extended service life and protects against thermal and mechanical shock.

MECHANICAL COMPONENTS:

Precision CNC-machined races and balls.

- Matched balls, inner and outer races ensure low noise and minimum friction and heat build-up.
- Tight tolerances for bore-taper, out-of-round and bearing OD for precise fit and compatibility.
- Finely honed surface finish for long life and low noise.
- Balls equal to or better than Grade 16 for roundness.
- Automatically riveted cage precisely and reliably locates and secures balls within the races to prevent premature failure.

TESTING:

WBD bearings are endurance-tested to outperform low-cost bearings and meet or exceed the performance of bearings costing much, much more.

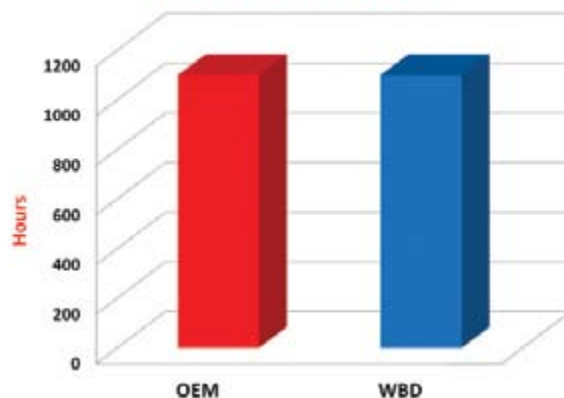
- 1,000 hour full-load endurance test demonstrates consistent performance under the most arduous conditions.
- Proven 3 year endurance testing shows that WBD bearings last for the long-haul in the most challenging environments.
- Noise-tested before and after greasing to ensure grease is free of contaminants that cause premature wear.



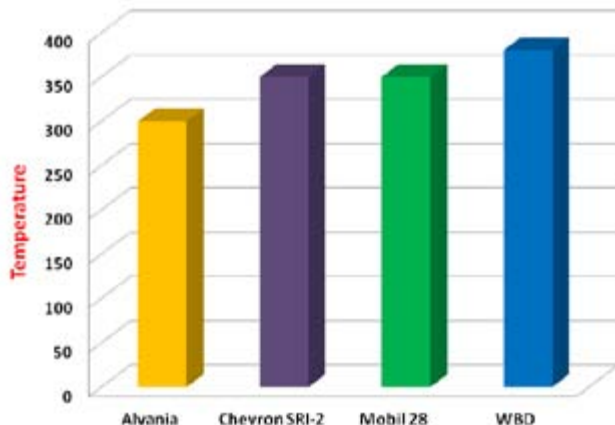
INDUSTRY STANDARDS: ABEC AND EMQ

- Radial ball bearings must meet specified ABEC (Annular Bearing Engineers Committee) ratings for consistency, quality and service life. Radial bearings are also said to be Electric Motor Quality (EMQ) when they meet the low noise requirements specified by automotive engineers worldwide.
- WBD bearings are high-precision engineered to meet or exceed ABEC 3 standards used for automotive bearings worldwide.
- WBD bearings are low-noise, meeting all standards for EMQ.

1,000 Hours Endurance Test



Maximum Grease Temperature Rating (°F)



	Part #	Brand	Description	Replaces	Internal Dimension (mm)	Overall Dimension (mm)	Width (mm)	Also Available in Other Brands
	8-203-3	WBD	Needle Bearing - Planetary Gear Bosch 108 Series PMGR Starters; Ford PMGR Starters	Ford E90F-11448-BA	6	10	8	
	10-800-4W	WBD	Ball Bearing - Mando, Mitsubishi IR/IF Alternators (S.R.E.)	Ref. No. SC8A05LHI, 62201-2RS	8	23	14	10-800-4 10-800-4E
	10-874-4W	WBD	Ball Bearing - Mitsubishi IR/IF Alternators (S.R.E.)	Ref. No. B8-74D, 8874-2RS	8	22	11	
	10-879-4W	WBD	Ball Bearing - Mando, Mitsubishi IR/IF Alternators (S.R.E.)	Hyundai 37342-32520, Mazda F811- 24-503, Mitsubishi MD611150, Subura 23721-KA010, Suzuki 31612-82130; Ref. No. B8-79D, 8879-2RS	8	23	11	10-879-4
	10-885-4W	WBD	Ball Bearing - Mando, Mitsubishi IR/IF Alternators (S.R.E.)	Ref. No. B8-85D, 8885-2RS	8	23	14	10-885-4
	6-608-4W	WBD	Ball Bearing - Delco PMGR; Denso, Hitachi, Mitsuba, Mitsubi- shi Starters (Armature)	Delco 9440924; Ref. No. 608	8	22	7	6-608-4 6-608-4E
	6-628-2W	WBD	Ball Bearing - Mitsuba PMGR Starters (C.E.)	Ref. No. 628	8	24	8	6-628-2
	6-638-4W	WBD	Ball Bearing - Denso OSGR Start- ers (Armature)	Denso 949100-4840; Ishikawajima 185846583; Kubota 17123-63501; Toyota 90099-10208	8	28	9	6-638-4
	6-629-4W	WBD	Ball Bearing - Prestolite GJG Series Marine Generators (C.E.); Mitsubishi OSGR, PLGR Starters (Armature)	Prestolite 25-23, GJG-45; Ref. No. 629-2RS	9	26	8	6-629-4 6-629-4E
	8-130	INA	Needle Bearing - Planetary Gear - Delco 38MT, 39MT Series PLGR Starters	INA- HK0912	9	13	12	
	8-9110	INA	Needle Bearing - D.E. - Bosch 107 Series PMGR Starters	Bosch 1-000-917-006	9	13	10	
	10-1046-4W	WBD	Ball Bearing - Hitachi IR/IF Alternators (S.R.E.)	Ref. No. B10-46D	10	23	11	10-1046-4
	10-1050-4W	WBD	Ball Bearing - Hitachi IR/IF Alternators (S.R.E.)	Ref. No. B10-50D, 1050-2RS	10	27	11	10-1050-4 10-1050-4E

	Part #	Brand	Description	Replaces	Internal Dimension (mm)	Overall Dimension (mm)	Width (mm)	Also Available in Other Brands
	10-1050-84W	WBD	Ball Bearing - Hitachi IR/IF Alternators (S.R.E.)	Hitachi 6000TR; Nissan 23120-0M000; Subaru 23721-AA080	10	27	11	10-1050-84
	10-1051-4W	WBD	Ball Bearing - Ford 6G Series IR/IF Alternators (S.R.E.)	Ford F8WU-10A304-AA	10	27	11	10-1051-4 10-1051-4E
	10-900-4W	WBD	Ball Bearing - Mitsubishi IR/IF Alternators (S.R.E.)	Ref. No. SC008ILHIA	10	27	14	
	6-100-4W	WBD	Ball Bearing - Delco CS121, CS130 Series Alternators ; Delco 28MT Series; Mitsubishi OSGR; Denso 1.0KW, 1.4KW, 2.0KW, 2.5KW, 3.0KW OSGR Starters	Delco 1989646, 10472207; Denso 949100-2760; Ref. No. 6000-2RS	10	26	8	6-100-4 6-100-4E 6-100-4N
	6-100-84W	WBD	Ball Bearing - Delco CS144 Series IR/EF; Ford 3G Series IR/IF Alternators (S.R.E.)	Delco 1989711, 10474532	10	26	8	6-100-84
	6-2000-4W	WBD	Ball Bearing - Delco CS121, CS130 IR/EF; CS121D IR/IF Series Alternators (S.R.E.)	Delco 10473711; Ref. No. 62000	10	26	10	6-2000-4E 6-2000-4N
	6-200-4W	WBD	Ball Bearing - Motorola, Paris Rhone IR/EF Alternators (S.R.E.); Delco 28MT, 29MT Series; Nikko, Denso OSGR Starters (Armature)	Delco 10456462; Motorola 11-2, 11-23; Prestolite 111-2, 111-23, 25-24, 6200LU, X-3433; Ref. No. 6200-2RS	10	30	9	6-200-4 6-200-4E 6-200-4N
	8-121-3	WBD	Inner Race - Delco 15SI, 17SI, CS144 Series IR/EF Alternators (Rotor)	Delco 10470431	10	17	15	
	8-8301-3	WBD	Needle Bearing - D.E. - Mitsubishi DD, OSGR, PLGR, PMGR Starters	Ford F0JY-11135-A, MCE-444; Mazda F210-18-X01, Nissan 23319-25V10, Subaru 23319-KA050	10	15	15	
	8-9106-3	WBD	Needle Bearing - Bosch 108 Series PMGR Starters	Bosch 1-000-917-003	10	14	10	
	8-9400	INA	Needle Bearing - D.E. - Valeo PMGR Starters	Valeo 186448	10	14	13.8	
	8-118-3	WBD	Needle Bearing - Delco 5MT, SD250, SD255, SD260 Series DD Starters	Delco 10469066, 9441607	11	16	12.7	
	8-8200	WBD	Needle Bearing - D.E. - Denso DD, PLGR; Hitachi DD Starters	Daihatsu 28277-87201-000; Denso 949105-0100; Honda 31209-PZ1-891; Kubota 11420-63501; Nissan 23319-KA010; Suzuki 31152-52A50; Toyota 90099-10171	11	15.5	14.3	

	Part #	Brand	Description	Replaces	Internal Dimension (mm)	Overall Dimension (mm)	Width (mm)	Also Available in Other Brands
	10-2011-3W	WBD	Ball Bearing - Denso IR/EF Alternators (S.R.E.)	Ref. No. 6201-RRU, 120-2RS	12	35	18	10-2011-3
	10-2012-4W	WBD	Ball Bearing - Hitachi IR/EF, IR/IF; Mitsubishi IR/EF Alternators (S.R.E.)	Hitachi 6201H, 6201NC; Mazda S210-24-523; Mitsubishi Motors MD607688; Mitsubishi S930P61201; Nissan 23120-19V01, -R2000, -V5510; Subaru 49538-7401, 6201-SRS	12	32	10	10-2012-4
	10-2013-4W	WBD	Ball Bearing - Hitachi IR/IF Alternators (S.R.E.)	Hitachi 6201NCDP; Nissan 23120-1P105	12	32	13	10-2013-4
	6-101-4W	WBD	Ball Bearing - Bosch ER/EF, IR/EF Alternators (S.R.E.); Hitachi OSGR Starters (Armature)	Bosch 1-900-905-103, -164, -167; Nissan 23338-J5500, -Z9002; Ref. No. 6001-2RS	12	28	8	6-101-4
	6-201-4W	WBD	Ball Bearing - Bosch, Denso, Hitachi, Iskra, Mitsubishi, Paris Rhone Alternators (S.R.E.); Delco 38MT Series PLGR, Mitsubishi OSGR Starters (Armature)	Ref. No. 6201-2RS	12	32	10	6-201-4 6-201-4E 6-201-4N
	6-2201-4W	WBD	Ball Bearing - Bosch IR/EF Alternators	Bosch 1-120-905-024, -031; 1-900-905-274; Ref. No. 62201	12	32	14	6-2201-4
	6-301-4	TPI	Ball Bearing - Delco 39MT Series PLGR Starters, Mitsubishi OSGR Starters (Armature)	Ref. No. 6301	12	37	12	
	6-3101-2W	WBD	Ball Bearing - Bosch ER/EF, IR/EF Alternators (S.R.E.)	Bosch 1-120-900-012, 1-120-905-003; Ref. No. W6001, 630001-ZZ	12	28	12	
	6-3101-4W	WBD	Ball Bearing - Bosch ER/EF, IR/EF Alternators (S.R.E.)	Bosch 1-120-900-012, 1-120-905-003; Ref. No. W6001, 630001-2RS	12	28	12	6-3101-4
	8-201-3	WBD	Needle Bearing - D.E. - Bosch PLGR, PMGR; Delco PMGR; Ford 4 in. Mod, 4-1/2 in. Mod, OSGR, PMGR Starters	Bosch 9-001-140-384; Delco 9440923; Ford D6AZ-11135-A, E4FZ-11135-A	12	16	10	
	6-708-4W	WBD	Ball Bearing - Lucas C40T Series Generators (C.E.)	Ford C5NF-10094-A; Lucas UTB103; Prestolite 25-12, X-294; Ref. No. R8, 327-2RS	12.7	28.6	7.9	
	8-602	INA	Inner Race - Prestolite ANB Series Alternators	Caterpillar 1P1134, Prestolite 90-2058 (KIT)	12.7	19	25.4	
	8-205	INA	Needle Bearing - Reduction Gear - Ford PMGR Starters	Ref. Nos. INA F-220469, SCE98	14.2	19.1	12.6	

	Part #	Brand	Description	Replaces	Internal Dimension (mm)	Overall Dimension (mm)	Width (mm)	Also Available in Other Brands
	10-1569-4W	WBD	Ball Bearing - Hitachi IR/EF Alternators (S.R.E.)	Ref. No. B15-69	15	35	13	10-1569-4
	10-1583-4W	WBD	Ball Bearing - Mitsubishi IR/IF Alternators (D.E.)	Ford E8PZ-10094-A, GEE-318; Ref. No. B15-83D	15	47	18	
	10-2021-4W	WBD	Ball Bearing - Denso ER/IF, IR/EF, IR/IF Alternators (S.R.E.)	Daihatsu 27791-87704-000; Denso 949100-2790, -3980, -4440, -5360, -6730; Honda 31111-PD1-004, 31111-PD1-014, 31111-PT0-003; Suzuki 31612-82110; Toyota 90099; (***)	15	35	13	10-2021-4 10-2021-4E
	10-2022-4W	WBD	Ball Bearing - Denso IR/IF Alternators (D.E.)	Ref. No. 348-2RS	15	38	19	10-2022-4
	10-3021-4W	WBD	Ball Bearing - Denso IR/IF Alternators (D.E.)	Ref. No. 319-2RS, 329	15	43	13	10-3021-4
	10-3022-4W	WBD	Ball Bearing - Denso ER/IF Alternators (D.E.)	Daihatsu 27791-87703-000, Denso 949100-3360, Honda 31114-PD1-034, Isuzu 8-94406-981-0, Toyota 90099-10159; Ref. No. 336-2RS	15	46	14	10-3022-4 10-3022-4E
	10-3031-4W	WBD	Ball Bearing - Mitsubishi IR/IF Alternators (D.E.)	Ford E8GY-10A303-A, F33Z-10094-A; Honda 31114-PE0-0240, 31114-PJ7-0040; Mazda F811-18-W27, RF71-18-WE4A; Mitsubishi MD611397, MD618680; Nissan 23120-58S11; (***)	15	47	14	10-3031-4 10-3031-4E
	10-3041-4W	WBD	Ball Bearing - Denso IR/IF Alternators (D.E.)	Denso 949100-3820, -3821; Toyota 90099-10178; Ref. No. 382	15	52	16	10-3041-4 10-3041-4E
	10-6203-4W	WBD	Ball Bearing	Valeo 593691	15	40	12	
	10-7109-1	JMK	Ball Bearing - Magnetos	Fairbanks Morse C5949; Prestolite 25-27; Ref. No. 7109	15	35	9	
	6-102-4E	WBD	Ball Bearing - Denso IR/IF Alternators (S.R.E.); Hitachi OSGR; Mitsuba SM402 Series; Mitsubishi OSGR; Denso 1.0KW, 1.2KW, 1.4KW OSGR Starters (Armature)	Audi, Volkswagen 035-911-217, Daihatsu Motor Co 28253-87702-000, Delco 10498717, Denso 949100-1860, 949100-2940, 949100-3920, 949100-4130, 949100-5240; (***)	15	32	9	6-102-4
	6-202-4W	WBD	Ball Bearing - Bosch ER/EF, IR/EF, Delco AD230, AD237, AD244, CS130D Series IR/IF (S.R.E.); Hitachi, Mitsubishi, Denso (D.E.); Lucas Generators (D.E.); (***)	Bosch 1-100-900-000; Delco 10475023; Lucas 54160090, UMB109, UTB100; Ref. No. 6202-2RS	15	35	11	6-202-4 6-202-4E 6-202-4N
	6-202-84W	WBD	Ball Bearing - Hitachi ER/EF, IR/EF Alternators w/ Vacuum Pump (S.R.E.)	GM 94223980; Hitachi 6202E, 6202NC; Isuzu 8-94156-585-0, 8-94223-980-0; Nissan 23129-16A00, -61501, -V6600	15	35	11	6-202-84

	Part #	Brand	Description	Replaces	Internal Dimension (mm)	Overall Dimension (mm)	Width (mm)	Also Available in Other Brands
	6-302-4W	WBD	Ball Bearing - Hitachi, Mitsubishi IR/EF, IR/IF Alternators (D.E.); Lucas Generators (D.E.)	Ref. No. 6302-2RS	15	42	13	6-302-4
	6-3102-4W	WBD	Ball Bearing - Denso IR/IF Alternators (S.R.E.)	Ref. No. W6002	15	32	11	6-3102-4
	6-902-2W	WBD	Ball Bearing - Mitsuba SM302 Series OSGR Starters (Armature)	Ref. No. 6902	15	28	7	6-902-2
	8-8101	INA	Needle Bearing - Delco 38MT, 39MT Series PLGR Starters (Planetary Shaft); Hitachi OSGR Starters (Center Support)	Hitachi 2130-1451, 2250-1451; Nissan 23341-V0600, 23358-V0700; Yanmar X-22501451, X-2250145100	15	21	12	
	10-1594-4W	WBD	Ball Bearing - Mitsubishi IR/IF Alternators (D.E.)	Ref. No. TMB303LU, 107-2RS	17	47	18	
	10-3032-4W	WBD	Ball Bearing - Ford 3G Series IR/IF (D.E.), Mitsubishi IR/IF Alternators (D.E.)	Mitsubishi Motors MD618338; Mitsubishi S930P64870, Ref. No. 174-2RS	17	47	24	10-3032-4
	10-3042-4W	WBD	Ball Bearing - Denso ER/IF, IR/IF Alternators (D.E.)	Suzuki 31582-77E10; Toyota 90099-10160, -10192, -10219; Ref. No. 333-2RS	17	52	16	10-3042-4 10-3042-4E
	10-3043-4W	WBD	Ball Bearing - Bosch IR/EF, IR/IF Alternators (D.E.); Ford 6G Series IR/IF Alternators (D.E.)	Bosch 0-122-1AA-010; 1-120-905-012, -054, -055, -070, -089, -510, -520; F-00M-990-417, Ref. No. 1799-2RS	17	52	17	10-3043-4 10-3043-4E
	10-3044-4W	WBD	Ball Bearing - Mitsubishi IR/IF Alternators (D.E.)	Ford F3LY-10A303-A, Mazda K801-18-W27, Mitsubishi MD618630, Ref. 1711-2RS	17	52	18	10-3044-4 10-3044-4E
	10-62304-4	JMK	Ball Bearing - Bosch IR/EF Alternators (D.E.)	Bosch 1-120-905-005	17	52	21	
	6-103-4W	WBD	Ball Bearing - Denso 24V IR/EF Alternators (S.R.E.); Delco 28MT Series; Mitsubishi OSGR; Denso 2.5KW, 4.5KW OSGR Starters (Armature)	Delco 10456461; Ref. No. 6003-2RS	17	35	10	6-103-4 6-103-4W-1
	6-203-4W	WBD	Ball Bearing - Chrysler, Delco, Ford, Leece-Neville, Motorola; European & Japanese Alternators	Audi, Volkswagen 028-903-221D, 059-903-221A, Bosch 0-122-1AA-020, 1-120-900-004, 1-120-905-013, 1-120-905-020, 1-120-905-041, 1-120-905-050, 1-120-905-080; (***)	17	40	12	6-203-4 6-203-4E 6-203-4N
	6-203-84W	WBD	Ball Bearing - Ford 4G Series IR/IF Alternators (S.R.E.)	Ford F50U-10A304-AA	17	40	12	6-203-84

	Part #	Brand	Description	Replaces	Internal Dimension (mm)	Overall Dimension (mm)	Width (mm)	Also Available in Other Brands
	6-303-4W	WBD	Ball Bearing - Chrysler 100-114A; Delco AD230, AD237, AD244, CS121, CS121D, CS130, CS130D, CS144 Series; Ford 3G, 4G, 6G Series; European; (***)	Ref. No. 6303-2RS	17	47	14	6-303-4 6-303-4E 6-303-4N
	6-3203-4W	WBD	Ball Bearing - Motorola / Prestolite 8SA, 12SA Series Alternators (S.R.E.)	Motorola 11-39; Prestolite 111-39; Ref. No. W6203	17	40	17.5	6-3203-4
	6-403-4W	WBD	Ball Bearing - Bosch Alternators (D.E.)	Bosch 1-120-900-010, 1-900-900-391; Mercedes 006-981-05-25; Paris Rhone 102130	17	62	17.5	6-403-4
	6-6403-4W	WBD	Ball Bearing - Bosch 468, 469 Series IR/EF Alternators (D.E.)	Bosch 1-120-905-097; Ref. No. B17-127DG	17	62	20	
	6-903-4W	WBD	Ball Bearing - Hitachi OSGR Starters (Armature)	Ref. No. 6903-2RS	17	30	7	6-903-4 6-903-2
	8-101-5	WBD	Needle Bearing - Chrysler, Delco, Ford Alternators	Chrysler 2095037, 2098512, 3755184; Delco 1957004, 7451326, 7451931, 7454763, 9418076, 9427225, 9432068, 9437305, 9438527, 9441879; Ford D20Z-10A304-A; (***)	17	23.8	17	8-101-2
	8-102	WBD	Needle Bearing - Chrysler 100-114A; Delco 15SI Series; Leece-Neville 2300-2800JB Series Alternators	Chrysler 3874074; Delco 1975322; Leece-Neville 78625	17	23.8	20	
	8-108	INA	Inner Race - Delco 25SI, 26SI, 30SI, 33SI, 34SI Series IR/EF Alternators	Delco 9436063	17	22.2	25.4	
	8-109-3	WBD	Needle Bearing - Delco 20SI, 21SI, 22SI, 27SI/Type 200, 29SI, 40SI Series IR/EF Alternators	Delco 7451782, 9437171	17	23.8	31.5	
	8-119-3	WBD	Needle Bearing - Delco 15SI/Type 116, 21SI Series Alternators	Delco 9439542, 10472936; Leece-Neville 101414	17	23.8	22	
	8-122	INA	Needle Bearing - Delco CS144 Series, 140A Alternators	Delco 10470411, 10474368, 10476418, 10491309	17	23.8	17	
	8-128	Tor-rington	Needle Bearing - Double seal - Delco 22SI, 23SI Series IR/EF Alternators	Delco 10483523	17	23.8	33	
	8-501	WBD	Needle Bearing - Delco 10DN Series; Chrysler Marine Alternators; Leece-Neville 2300-2800JB Series Alternators	Delco 9433301, 9437211, 9437221; Leece-Neville 78625	17	23.8		

	Part #	Brand	Description	Replaces	Internal Dimension (mm)	Overall Dimension (mm)	Width (mm)	Also Available in Other Brands
	8-502	IKO	Inner Race - Leece-Neville 3425J, 4425J Series Alternators	Leece-Neville 79424	17	22.1	36.5	
	8-8303	KOYO	Niddle Bearing - DE, CE for Denso 4.0KW, 5.0KW, 7.5KW, 8.0KW DD Starters	MFNM1720UH-1	17	24	20	
	8-9104	Tor-rington	Needle Bearing - D.E., C.E. - Bosch 410, 411, 413, 414, 415, 416, 417, 418, 420 Series Starters	Bomag 05710931; Bosch 2-000-910-002, 2-007-010-055; DAF 244587; Fiat 79052275, 79850007, 9920351; Ford 78HB-11448-BA; KHD 1290010; MAN 81-93401-0013; (***)	18	24	16	
	10-2041-4	OE	Ball Bearing Kit (incl. bearing plate + screws) - Mitsubishi OSGR Starters (D.E.)	Mitsubishi M410X13671, M3T56071-56072 -56074 -56082 -56084 -56085, Ref. No. 6204DW, 6024V,	18.7	47.1	14	
	10-9041-4	WBD	Ball Bearing - Mitsubishi OSGR Starters (D.E.)	Ref. No. 6904DW	18.8	37	9	
	8-204-3	WBD	Needle Bearing - D.E. - Ford PMGR Noseless Starters	Ford F81U-11448-CA	19	25.4	14	
	8-601-3	WBD	Outer Race Roller Bearing - Prestolite ANB Series Alternators	Case A44443; Caterpillar 2L0611, 2L611; Prestolite 90-2058 (set no.)	19	31.7	19	
	6-712-4	NSK	Ball Bearing - Harley-Davidson Starters (D.E.)	Harley-Davidson 31539-66; Ref. No. R12	19.1	41.3	11.1	
	10-1041-4W	WBD	Ball Bearing - Mitsubishi PLGR Starters (D.E.)	Ref. No 6004DW	20	42	12	10-1041-4
	6-104-4W	WBD	Ball Bearing - Denso 1.0-2.0KW OSGR; Hitachi OSGR; Mitsuba SM302, SM402 Series Starters (Drive)	Ref. No. 6004-2RS	20	42	12	6-104-4 6-104-4E
	6-204-4W	WBD	Ball Bearing - Autolite, Delco Generators; Leece-Neville Alternators	Ref. No. 6204-2RS	20	47	14	6-204-4
	6-2304-4W	WBD	Ball Bearing	Ref. Nos. 62304-2RS1, 62304-2RSR, 140442, 881370	20	52	21	6-2303-4
	6-304-4W	WBD	Ball Bearing - Denso, Leece-Neville IR/EF Alternators (D.E.)	Delco 907187; Leece-Neville 57166; Ref. No. 6304-2RS	20	52	15	6-304-4

	Part #	Brand	Description	Replaces	Internal Dimension (mm)	Overall Dimension (mm)	Width (mm)	Also Available in Other Brands
	6-904-4W	WBD	Ball Bearing - Denso, Hitachi, Mitsu, Mitsubishi OSGR Starters (Drive Assy.)	Ref. No. 6904-2RS	20	37	9	6-904-4 6-904-4E 6-904-2
	8-8303	WBD	Needle Bearing - Stationary Gear Mitsubishi PLGR Starters	Used in units - F4TZ-11002-B, F4TZ-11355-A, F4TZ-11002-A and M8T50172	20.5	27	9.5	
	10-62322-4W	WBD	Ball Bearing - Bosch 468 Series IR/EF Alternators (D.E.)	Bosch 1-120-905-035	22.2	56	21	10-62322-4
	8-107-3	WBD	Outer Race Roller Bearing - Delco 25SI, 26SI, 27SI/Type 205, 30SI, 33SI, 34SI Series Alternators	Delco 9436064	22.2	30.2	20.6	
	8-131-3	WBD	Needle Bearing - Delco 35SI, 36SI Series IR/EF Alternators	Delco 10500462	22.2	30.2	20.6	8-131
	10-3051-4	NSK	Ball Bearing - Denso 24V, IR/EF Alternators (D.E.)	Denso- 949100-3141	25	62	19	
	10-3052-4W	WBD	Ball Bearing - Bosch, Mitsubishi 24V IR/EF Alternators (D.E.)	Bosch 1-120-905-043, Mitsubishi Motors ME700776	25	62	24	10-3052-4
	6-105-4E	WBD	Ball Bearing - Delco 28MT Series (Drive Shaft); Denso 2.5KW, 3.0KW, 4.5KW, 5.5KW OSGR Starters (Drive)	Delco 10456463, Denso 949100-1910, 949100-1920, 949120-1920, Hitachi 2130-4302, Ishikawajima 040116005, Isuzu 8-94228-468-0, Nissan, Infiniti 23363-V0700	25	47	12	6-105-4
	6-205-4W	WBD	Ball Bearing - Delco, Leece-Neville, Motorola Alternators; Delco 38MT, 39MT Series PLGR; Mitsubishi OSGR Starters (Armature)	Delco 904983; Leece-Neville 29656; Motorola 11-40; Prestolite 111-40; Ref. No. 6205-2RS	25	52	15	6-205-4 6-205-4E
	6-305-4W	WBD	Ball Bearing - Delco, Denso, Ford, Leece-Neville, Motorola, Prestolite Heavy Duty Alternators (D.E.)	Delco 904722, 907351, 907356, 907689, 907940, 908020, 908055, 954554, 9437824, 9439570, 9439571, 9441901, 10472935, 12334741; Leece-Neville 76262, 78895; (***)	25	62	17	6-305-4 6-305-4E 6-305-2
	6-305-84W	WBD	Ball Bearing - Mitsubishi 215A IR/EF Alternators; Nikko IR/EF Alternators	Nikko 0-09201-0770	25	62	17	
	6-3205-4	JMK	Ball Bearing, double seal for Leece-Neville Alternators (S.R.E.)	Leece-Neville 32054, 36686; Ref. No. W6205	25	52	20.6	
	6-3305-4W	WBD	Ball Bearing - Leece-Neville 2300-2800JB Series Alternators (D.E.)	Leece-Neville 35624; Ref. No. W6305, 6305-2RS	25	62	25.4	6-3305-4 6-3305-4E

	Part #	Brand	Description	Replaces	Internal Dimension (mm)	Overall Dimension (mm)	Width (mm)	Also Available in Other Brands
	6-905-4	JMK	Ball Bearing - Hitachi OSGR Starters (Armature)	Ref. No. 6905	25	42	9	
	10-6228-4W	WBD	Ball Bearing - Delco 39MT Starter		27.9	58	15.9	
	10-9061-4	NSK	Ball Bearing - Mitsubishi PMGR Starters (D.E.)	Ref. No. 6906DW	30	47	9	
	6-106-4	TPI	Ball Bearing - Hitachi PMGR Starters (D.E.); Bus Blower Motors	Ref. No. 6006	30	55	13	
	6-206-4W	WBD	Ball Bearing - Leece-Neville Alternators; Electric Motors & Pump Motors	Leece-Neville 28892; Ref. No. 6206-2RS	30	62	16	6-206-4
	6-306-4	TPI	Ball Bearing - Electric Motors	Ref. No. 6306	30	72	19	
	6-3306-4W	WBD	Ball Bearing - Leece Neville Alternators (D.E.)	Leece-Neville 29662, 74091	30	72	30	
	6-906-4	NSK	Ball Bearing - Hitachi PMGR Starters (D.E.)		30	47	9	
	8-129	INA	Needle Bearing - Delco 38MT, 39MT Series PLGR Starters		30	37	11.9	
	6-207-4	TPI	Ball Bearing - Electric Motors & Pump Motors	Ref. No. 6207	35	72	17	
	6-307-4W	WBD	Ball Bearing - AC or DC Electric Motors	Ref. No. 6307	35	80	21	
	6-209-2	NSK	Ball Bearing - Delco 50DN Series Bus Alternators (Inner D.E.)	Delco 903209, 9439722, 9439723, 10499878; Ref. No. 6209	45	85	19	



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