



DIESEL ENGINE BEARINGS

APPLICATION CHART AND TECHNICAL REFERENCES

JOHN DEERE ENGINES 300, 400 AND 500 SERIES

TYPE	SILVERLINE PART NUMBER MAIN BEARINGS	SHOP SPECIFICATIONS				TYPE	SILVERLINE PART NUMBER CONNECTING ROD BEARINGS	SHOP SPECIFICATIONS			
		STD. SHAFT DIAMETER	HOUSING BORE	VERTICAL OIL CLEARANCE	TORQUE LBS./FT.			STD. SHAFT DIAMETER	HOUSING BORE	VERTICAL OIL CLEARANCE	TORQUE LBS./FT.
300 SERIES:											
3 CYL. GAS; 3.135"G, 2.2L; 3.164"G, 2.7L, 820, 830, 1020, 1520, 1530 SERIES / 4 CYL. GAS; 4.180"G, 2.9L; 4.202"G, 3.3L; 2020, 2030, 2510, 2520, SERIES; 4180G; 4202G.											
MB	CJD RE-27352 STD. (CJD AT-21140 STD.)	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#	CR	CJD AT-10123 STD.	2.3085 / 2.3095	2.4365 / 2.4375	.0010 / .0045	40-45#
MB	CJD AT-21139 STD.	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
6 CYL. GAS; 6.303"G, 5.0L; 6.329"G, 5.4L; 6.359"G, 5.9L; 4030G SERIES.											
MB	CJD RE-27352 STD. (CJD AT-21140 STD.)	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#	CR	CJD AT-21138 STD. (CJD RE-27348 STD.)	2.7480 / 2.7490	2.9000 / 2.9010	.0015 / .0045	40-45#
MB	CJD AT-21139 STD.	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
3 CYL. DIESEL; 3.152"D, 2.5L; 3.164"D, 2.7L; 3.179"D, 2.9L; 820D, 830D, 1020D, 1520D, 1530D SERIES.											
MB	CJD RE-27352 STD. (CJD AT-21140 STD.)	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#	CR	CJD AT-21138 STD. (CJD RE-27348 STD.)	2.7480 / 2.7490	2.9000 / 2.9010	.0015 / .0045	40-45#
MB	CJD AT-21139 STD. OPTIONAL:	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TB	CJD RE-27350 STD.	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TW	SJD RE-13571 STD.	3.3380 / 3.3278	4.2801 / 4.2698								
4 CYL. DIESEL; 4.180"D, 2.9L; 4.202"D, 3.3L; 4.219"D, 3.6L; 4.219"T, 3.6L; 4.239"D, 3.9L; 4.239"T, 3.9L; 2020D, 2030D, 2510D, 2520D SERIES.											
MB	CJD RE-27352 STD. (CJD AT-21140 STD.)	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#	CR	CJD AT-21138 STD. (CJD RE-27348 STD.)	2.7480 / 2.7490	2.9000 / 2.9010	.0015 / .0045	40-45#
MB	CJD AT-21139 STD. OPTIONAL:	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TB	CJD RE-27350 STD.	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TW	SJD RE-13571 STD.	3.3380 / 3.3278	4.2801 / 4.2698								
4 CYL. DIESEL; 4.276"D, 4.5L; 4.276"T, 4.5L; 2630, 2640 SERIES.											
MB	CJD RE-27352 STD. (CJD AT-21140 STD.)	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#	CR	CJD AR-97517 STD.	3.0630 / 3.0640	3.2550 / 3.2560	.0015 / .0045	40-45#
MB	CJD AT-21139 STD. OPTIONAL:	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TB	CJD RE-27350 STD.	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TW	SJD RE-13571 STD.	3.3380 / 3.3278	4.2801 / 4.2698								
6 CYL. DIESEL; 6.303"D, 5.0L; 6.329"D, 5.4L; 6.329"T, 5.4L; 6.359"D, 5.9L; 4030D SERIES.											
MB	CJD RE-27352 STD. (CJD AT-21140 STD.)	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#	CR	CJD AT-21138 STD. (CJD RE-27348 STD.)	2.7480 / 2.7490	2.9000 / 2.9010	.0015 / .0045	40-45#
MB	CJD AT-21139 STD. OPTIONAL:	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TB	CJD RE-27350 STD.	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TW	SJD RE-13571 STD.	3.3380 / 3.3278	4.2801 / 4.2698								
6 CYL. DIESEL; 6.414"D, 6.8L; 6.414"T, 6.8L.											
MB	CJD RE-27352 STD. (CJD AT-21140 STD.)	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#	CR	CJD AR-97517 STD.	3.0630 / 3.0640	3.2550 / 3.2560	.0015 / .0045	40-45#
MB	CJD AT-21139 STD. OPTIONAL:	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TB	CJD RE-27350 STD.	3.1230 / 3.1240	3.3250 / 3.3260	.0019 / .0049	85#						
TW	SJD-RE-13571 STD.	3.3380 / 3.3278	4.2801 / 4.2698								
400 SERIES:											
4 CYL. GAS; 4.201"G, 3.3L; 4.227"LP, 3.7L; 254"G, 4.2L; 270"G, 4.4L; 3010G, 3020G SERIES.											
EARLY ENGINES WITH FLANGED BEARINGS, USE ON BLOCKS MARKED R26150 & R26160											
MB	CJD AR-49243 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#	CR	CJD AR-45723 STD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	95-100#
MB	CJD AR-49242 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#						
LATER ENGINES WITH THRUST WASHER, USE ON BLOCKS MARKED R40910, R40920, R46350, R46430 & R49540, R46350, R46430 & R49540.											
MB	CJD AR-74814 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0020 / .0050	150#	CR	CJD AR-45723 STD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	95-100#
TB	CJD AR-77754 STD.	3.3720 / 3.3730	3.6270 / 3.6280	.0015 / .0045	150#						
TW	SJD AR-77747 STD.	3.6330 / 3.6340	4.6600 / 4.6800								
6 CYL. GAS; 6.341"G, 5.6L; 4000G, 4020G SERIES.											
ENGINES BEFORE SERIAL 201000											
MB	CJD AR-49243 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#	CR	CJD AR-45723 STD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	95-100#
MB	CJD AR-49242 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#						
ENGINES AFTER SERIAL 201000.											
MB	CJD AR-74814 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0020 / .0050	150#	CR	CJD AR-45723 STD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	95-100#
TB	CJD AR-77748 STD.	3.3720 / 3.3730	3.6270 / 3.6280	.0015 / .0045	150#						
TW	SJD AR-77747 STD.	3.6330 / 3.6340	4.6600 / 4.6800								
4 CYL. DIESEL; 4.254"D, 4.2L; 4.270"D, 4.4L; 3010D, 3020D SERIES.											
EARLY ENGINES WITH FLANGED BEARINGS, USE ON BLOCKS MARKED R26150 & R26160											
MB	CJD AR-49243 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#	CR	CJD AR-45723 STD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	95-100#
MB	CJD AR-49242 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#						
LATER ENGINES WITH THRUST WASHER, USE ON BLOCKS MARKED R40910, R40920, R46350, R46430 & R49540.											
MB	CJD AR-74814 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0020 / .0050	150#	CR	CJD AR-45723 STD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	95-100#
TB	CJD AR-77754 STD.	3.3720 / 3.3730	3.6270 / 3.6280	.0015 / .0045	150#						
TW	SJD AR-77747 STD.	3.6330 / 3.6340	4.6600 / 4.6800								
6 CYL. DIESEL; 6.302"D, 4.9L; 4010D SERIES (ENGINES BEFORE SERIAL NO. 215000); 4020D SERIES (ENGINES BEFORE SERIAL NO. 201000)											
MB	CJD AR-49243 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#	CR	CJD AR-45723 STD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	120-130#
MB	CJD AR-49242 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#						
ENGINES WITH THRUST WASHER.											
MB	CJD AR-74814 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#						
TB	CJD AR-77754 STD.	3.3720 / 3.3730	3.6270 / 3.6280	.0015 / .0045	150#						
TW	SJD AR-77747 STD.	3.6330 / 3.6340	4.6600 / 4.6800								
6 CYL. DIESEL; 6.302"D, 4.9L; 4010D SERIES (ENGINES AFTER SERIAL 215000); 4020D SERIES (ENGINES AFTER SERIAL 201000); 6.404"A, 6.404"D, 6.404"T; 4040D, 4240D, 4430D, 4520D, 4620D, 4630D & 7020D SERIES.											
MB	CJD AR-74814 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#	CR	CJD AR-45723 STD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	120-130#
TB	CJD AR-77748 STD.	3.3720 / 3.3730	3.6270 / 3.6280	.0015 / .0045	150#						
TW	SJD AR-77747 STD.	3.6330 / 3.6340	4.6600 / 4.6800								
6 CYL. DIESEL; 6.466"A, 7.6L; 6.466"D; 8430D, 8440D SERIES.											
MB	CJD AR-74814 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#	CR	CJD AR-45723 STD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	120-130#
TB	CJD AR-77748 STD.	3.3720 / 3.3730	3.6270 / 3.6280	.0015 / .0045	150#						
TW	SJD AR-77747 STD.	3.6330 / 3.6340	4.6600 / 4.6800								
6 CYL. DIESEL; 6.466"T, 7.6L; 6.466"TA, 7.6L; 8430D, 8440D SERIES.											
MB	CJD AR-74814 STD.	3.3715 / 3.3725	3.6270 / 3.6280	.0019 / .0049	150#	CR	CJD AR-73277 SYD.	2.9980 / 2.9990	3.1910 / 3.1920	.0015 / .0045	120-130#
TB	CJD AR-77748 STD.	3.3720 / 3.3730	3.6270 / 3.6280	.0015 / .0045	150#						
TW	SJD AR-77747 STD.	3.6330 / 3.6340	4.6600 / 4.6800								
500 SERIES:											
6 CYL. DIESEL; 6.531"A, 8.7L; 6.531"D, 8.7L; 5010D, 5020D, 6030D, & 7520D SERIES.											
EARLY ENGINES WITH PARTIAL GROOVED LOWER BEARINGS											
MB	CJD AR-101268 STD.	3.7540 / 3.7490	4.0020 / 4.0030	.0022 / .0052	170#	CR	EARLY ENGINES WITH OIL HOLE & PARTIAL GROOVED CJD AR-53020 STD.	3.4980 / 3.4990	3.6915 / 3.6925	.0018 / .0048	155-165#
TB	CJD AR-101267 STD.	3.7540 / 3.7490	4.0020 / 4.0030	.0022 / .0052	170#						
TW	SJD AR-89622 STD.	4.0080 / 4.0180	4.9600 / 4.9700								
LATER ENGINES WITH FULL GROOVED LOWER BEARINGS											
MB	CJD AR-101268 STD.	3.7540 / 3.7490	4.0020 / 4.0030	.0022 / .0052	170#						
TB	CJD AR-101269 STD.	3.7540 / 3.7490	4.0020 / 4.0030	.0022 / .0052	170#						
TW	SJD AR-89622 STD.	4.0080 / 4.0180	4.9600 / 4.9700								
6 CYL. DIESEL; 6.619"A, 10.1L; 6.619"TA, 10.1L; 8630D, 8640D, SERIES.											
EARLY ENGINES WITH PARTIAL GROOVED LOWER BEARINGS											
MB	CJD AR-101268 STD.	3.7540 / 3.7490	4.0020 / 4.0030	.0022 / .0052	170#	CR	LATER ENGINES WITH OIL HOLE & GROOVED. CJD AR-101271 STD.	3.4980 / 3.4990	3.6915 / 3.6925	.0018 / .0048	155-165#
TB	CJD AR-101267 STD.	3.7540 / 3.7490	4.0020 / 4.0030	.0022 / .0052	170#						
TW	SJD AR-89622 STD.	4.0080 / 4.0180	4.9600 / 4.9700								
LATER ENGINES WITH FULL GROOVED LOWER BEARINGS											
MB	CJD AR-101268 STD.	3.7540 / 3.7490	4.0020 / 4.0030	.0022 / .0052	170#						
TB	CJD AR-101269 STD.	3.7540 / 3.7490	4.0020 / 4.0030	.0022 / .0052	170#						
TW	SJD AR-89622 STD.	4.0080 / 4.0180	4.9600 / 4.9700								

IMPORTANT NOTES:

CR = Connecting rod bearings; MB = Main plain bearings; TB = Thrust bearings; TW = Thrust washer.

1. The information provided in this catalogue, has been gathered from the best sources available and presented after careful check to ensure accuracy. However it is specifically understood that we cannot accept any responsibility for the results of any errors or omissions.

2. All original equipment manufacturers names, drawings, color, symbols and part numbers are used for identification purpose only, and do not imply that any of our parts are original equipment parts.