



Yamato Weigh Scale Bearing Components



**Original
Components**



**Non-Corrosive
Components**



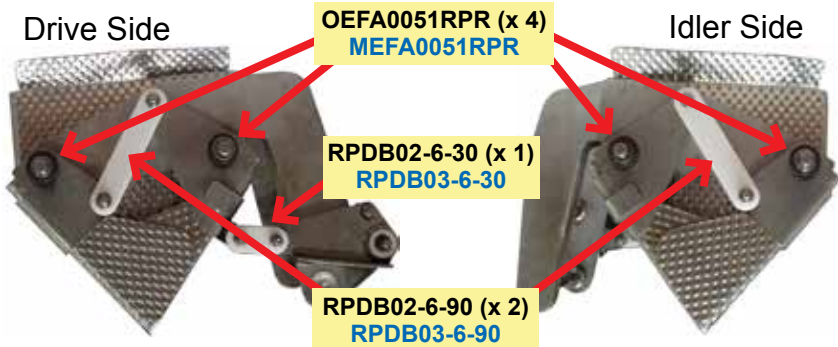
**Non-Corrosive &
Metal Detectable
Components**

Weigh scale bearings by EDT are made of stainless steel and polymer to operate reliably over time

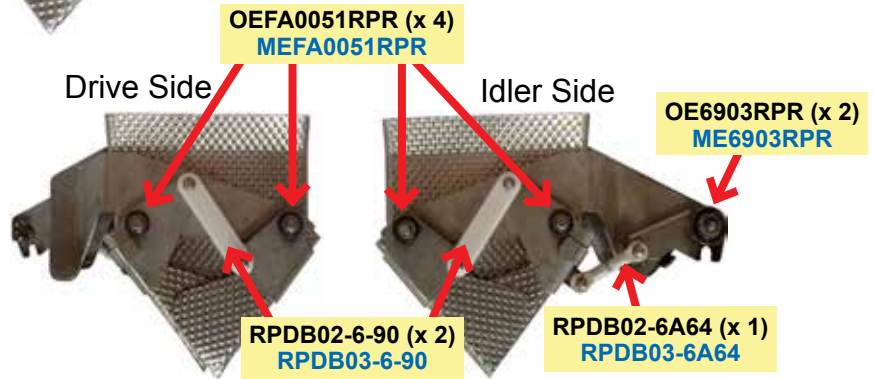
- Eliminate the rusting of standard components
- No grease; USDA accepted
- Unaffected by washdown
- Save time: Bucket maintenance significantly reduced
- Made in U.S.A.



Yamato Model ADW-714SWH



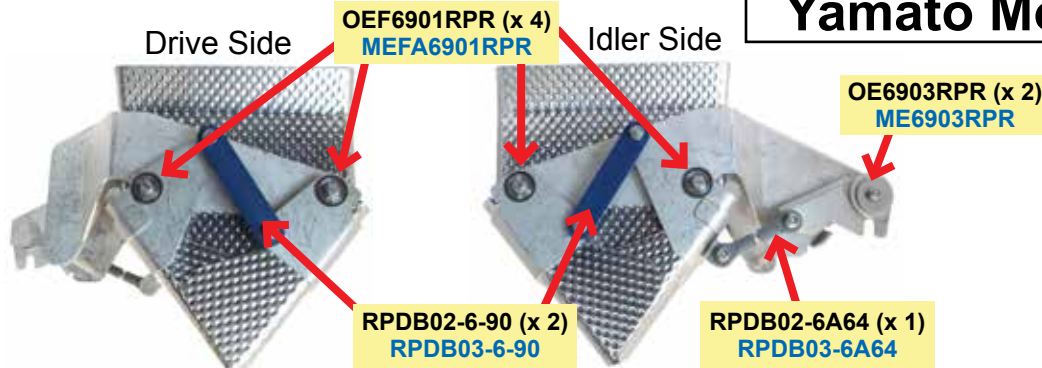
Total Retrofit Weigh Bucket Components on Yamato ADW-714SWH



Total Retrofit Feed Bucket Components on Yamato ADW-714SWH

Part Number Key
 Black = White Poly
 Blue = Metal Detectable

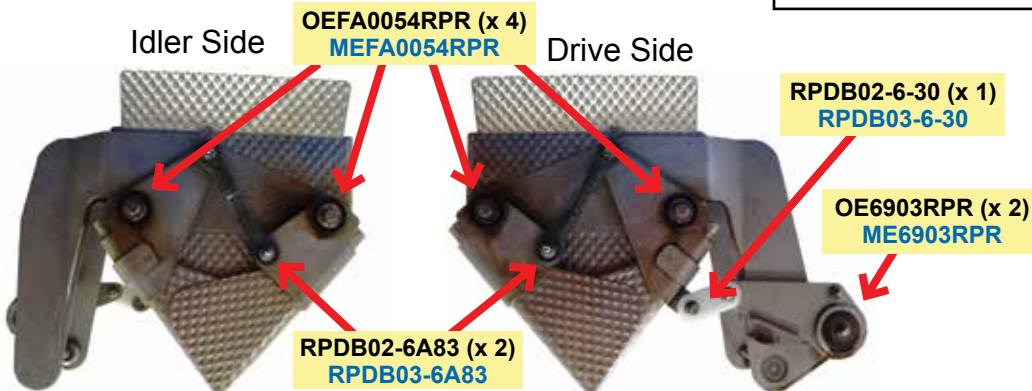
Yamato Model ADW-720SW



Total Retrofit Feed Bucket Components on Yamato ADW-720SW

Part Number Key
 Black = White Poly
 Blue = Metal Detectable

Yamato Model ADW-714SW



Total Retrofit Weigh Bucket Components on Yamato ADW-714SW

Part Number Key
 Black = White Poly
 Blue = Metal Detectable



COMPARING THE COST OF OWNERSHIP
EDT BEARINGS ON YAMATO SCALE ADW-714SWH
 VERSUS STANDARD REPLACEMENT PARTS



Costs with Yamato Original Equipment Parts

Based On

Bushings lasting 2 months
 Ball bearings lasting 6 months
 Linkage lasting 1 year

Scale Components & Labor Costs in 1 Year




<ul style="list-style-type: none"> ▪ Cost to Purchase Bushing 	
SA44117A0051	\$15.00
4 bushings per feed bucket + 4 bushings per weigh bucket = 8 bearings / head x 14 heads	<u>x 112</u>
	\$1,680.00
 Replace bushing 6 times per year	<u>x 6</u>
	\$10,080.00
<ul style="list-style-type: none"> ▪ Cost to Purchase Bearings 	
SA44117A0013 (6903)	\$36.00
2 bearings per feed bucket x 14 buckets/scale	<u>x 28</u>
	\$1,008.00
 Replace bearings 2 times per year	<u>x 2</u>
	\$2,016.00
<ul style="list-style-type: none"> ▪ Cost to Purchase Linkages 	
GB02302A0496	\$148.00
2 linkages per feed bucket + 2 linkages per weigh bucket = 4 linkages / head x 14 heads	<u>x 56</u>
	\$8,288.00
 Replace linkage 1 time per year	<u>x 1</u>
	\$8,288.00
One year component costs \$20,384.00	
<ul style="list-style-type: none"> ▪ Cost to Rebuild Buckets with OEM Components 	
Labor: \$35/hour x 45 minutes per bucket	\$26.25
28 buckets per scale	<u>x 28</u>
Labor cost to rebuild 1 scale 1 time	\$735.00
Yamato components require 6 rebuilds/year	<u>x 6</u>
	\$4,410.00
One year component costs \$4,410.00	
Total annual cost OEM parts + labor \$24,794.00	

Costs with EDT Scale Components

Based On

Interchanging bushing + ball bearings to
 EDT Radial Poly-Round® units
 plus using EDT polymer/stainless linkage
All components lasting 1 year

Scale Components & Labor Costs in 1 Year

<ul style="list-style-type: none"> ▪ Cost to Purchase Radial Poly-Round® 	
OEFA0051RPR	\$84.00
4 bearings per feed bucket + 4 bearings per weigh bucket = 8 bearings / head x 14 heads	<u>x 112</u>
	\$9,408.00
 Replace RPR every 12 months	<u>x 1</u>
	\$9,408.00
<ul style="list-style-type: none"> ▪ Cost to Purchase Radial Poly-Round® 	
OE6903RPR	\$71.00
2 bearings per feed bucket x 14 buckets/scale	<u>x 28</u>
	\$1,988.00
 Replace RPR every 12 months	<u>x 1</u>
	\$1,988.00
<ul style="list-style-type: none"> ▪ Cost to Purchase Linkages 	
RPDB03-6-90	\$127.00
2 linkages per feed bucket + 2 linkages per weigh bucket = 4 linkages / head x 14 heads	<u>x 56</u>
	\$7,112.00
 Replace linkage 1 time per year	<u>x 1</u>
	\$7,112.00
One year component costs \$18,508.00	
<ul style="list-style-type: none"> ▪ Cost to Rebuild Buckets with EDT Components 	
Labor: \$35/hour x 45 minutes per bucket	\$26.25
28 buckets per scale	<u>x 28</u>
Labor cost to rebuild 1 scale 1 time	\$735.00
EDT components require 1 rebuild/year	<u>x 1</u>
	\$735.00
One year component costs \$735.00	
Total annual cost OEM parts + labor \$19,243.00	

Original Equipment total one-year costs \$24,794.00
 versus EDT component total one-year costs \$19,243.00
1 year savings with EDT - per scale \$5,551.00

Per each Yamato ADW-714SWH
 X (example) 4 scales in a facility
= \$22,204.00

Additional EDT parts can be interchanged to realize further savings.

The above illustration is based on average plant conditions
 Individual results can vary based on installation and maintenance practices, and environmental conditions.

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 Vancouver, WA 98685

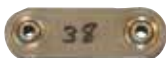
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Yamato Scale Components

EDT polymer and stainless plane bearing links, rod ends and radial bearings directly replace original equipment weigh scale components with NO grease and NO rust. The advantage is reliable operation without contamination, and reduced maintenance cycles.

Linkages



Part No. Key (RPDB02-6-28)
 RP Rod end polymer
 D Link material white
 3 Link material metal detectable
 B Assembly
 02 White plastic ball
 03 Metal detectable ball
 -6 Bore size
 -28 Center-to-Center

Original component

02 = white plastic

03 = blue metal detectable

All White Assembly p/n (1 link + 2 balls)	Components (1 ea) Link only	Components (2 ea) Balls / unit	Center to Center Distance	Metal Detect- able Assembly p/n (1 link + 2 balls)	Components (1 ea) Link only	Components (2 ea) Balls / unit
RPDB02-4-28	*RPD-4-28*	4MM BALL	28 mm	RPDB03-4-28	*RP3-4-28*	4ME BALL
RPDB02-4-34	RPD-4-34	4MM BALL	34 mm	RPDB03-4-34	RP3-4-34	4ME BALL
RPDB02-4-38	RPD-4-38	4MM BALL	38 mm	RPDB03-4-38	RP3-4-38	4ME BALL
RPDB02-4-50	RPD-4-50	4MM BALL	50 mm	RPDB03-4-50	RP3-4-50	4ME BALL
RPDB02-4-54	RPD-4-54	4MM BALL	54 mm	RPDB03-4-54	RP3-4-54	4ME BALL
RPDB02-4-63	RPD-4-63	4MM BALL	63 mm	RPDB03-4-63	RP3-4-63	4ME BALL
RPDB02-4-67	RPD-4-67	4MM BALL	67 mm	RPDB03-4-67	RP3-4-67	4ME BALL
RPDB02-6-28	RPD-6-28	6MM BALL	28 mm	RPDB03-6-28	RP3-6-28	6ME BALL
RPDB02-6-30	RPD-6-30	6MM BALL	30 mm	RPDB03-6-30	RP3-6-30	6ME BALL
RPDB02-6-35	RPD-6-35	6MM BALL	35 mm	RPDB03-6-35	RP3-6-35	6ME BALL
RPDB02-6-45	RPD-6-45	6MM BALL	45 mm	RPDB03-6-45	RP3-6-45	6ME BALL
RPDB02-6-65	RPD-6-65	6MM BALL	65 mm	RPDB03-6-65	RP3-6-65	6ME BALL
RPDB02-6-86	RPD-6-86	6MM BALL	86 mm	RPDB03-6-86	RP3-6-86	6ME BALL
RPDB02-6-90	RPD-6-90	6MM BALL	90 mm	RPDB03-6-90	RP3-6-90	6ME BALL
RPDB02-6-95	RPD-6-95	6MM BALL	95 mm	RPDB03-6-95	RP3-6-95	6ME BALL
RPDB02-6-99	RPD-6-99	6MM BALL	99 mm	RPDB03-6-99	RP3-6-99	6ME BALL

ID Size Color Key

4 mm	5 mm	6 mm	12 mm	15 mm	17 mm
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Rod Ends



Original component



02 = white plastic



03 = blue metal detectable

Part No. Key (RPDB02-6A64)

R Rod end
 P Polymer
 F Female
 R Right hand threads
 02 White plastic ends
 03 Metal detectable ends
 -6 Bore size
 A white plastic
 -64 Minimum adjust size

	Standard	Replacement polymer ends	Metal Detectable	Replacement MD Polymer Ends
Adjusts 63-73 mm	RPDB02-6A64	RPFR6A-6	RPDB03-6A64	RPF36A-6
Adjusts 83-110 mm	RPDB02-6A83	RPFR8A-6	RPDB03-6A83	RPF38A-6

Radial Poly-Round®

Non-rusting ball bearing replacements can simplify mini-assemblies



OEFA0054RPR

Part NO. Key (OEF6901RPR)

OE Material (Brown)
 ME Metal detectable
 F Flange
 6901 Equivalent radial size
 RPR Radial Poly-Round®

Radial bearing p/n	ID-OD-LTB	Flange	Interchange notes
OEF696/4RPR	4 x 15 x 5	17	
OEF624/6RPR	5 x 13 x 6	15	
OEF628/6RPR	6 x 13 x 5	15	10-12-16 Retrofits GB02307A0676 on ADW-714SW Retrofits 628/6ZZ on ADW-414
OEF619/6RPR	6 x 15 x 5	17	11-12 Retrofits GB02307A0677 on ADW-714SW, ADW-414
OEFA0051RPR	6 x 21 x 9	24	16 Retrofits SA44117A0051 on ADW-714SWH
OEFA0054RPR	6 x 24 x 9	27	Retrofits SA44117A0051 on ADW-714SW
OE688RPR	8 x 16 x 5	--	
OE61800RPR (6800)	10 x 19 x 5	--	
OE16100RPR	10 x 28 x 8	--	
OEF6901RPR	12 x 24 x 6	26	On ADW-414
OE61802RPR (6802)	15 x 24 x 5	--	
OEF69A3RPR	15 x 30 x 7	32	Replaces F6903-2RS + spacer to 15 mm ID
OEF6903RPR	17 x 30 x 7	32	Replaces 6903-2RS + washer
OE6903RPR	17 x 30 x 7	--	Retrofits SA44117A0013 on ADW-714SW + SWH



Bearings For Severe Service Environments

LITB203-1114

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 Bearing Design Checklist
 for EDT selection assistance
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