DEV NUMBER:	ORIGINATOR:		DATE:	RAIN E	BIRD	BUSINESS UNIT (SBU and PLANT)	W/ PRIMARY DES	SIGN CONTRO	L: SHEET:
DEV25-0148		z / Delfino Ramirez 24-Jun-25			1		OTY	>>> CP		
OMR# (IF APPLICABI	l	NEW	24-5un-25	DEVIATION FORM (DRAWII		023 (211	OI	1	
JIVIN# (IF AFFLICADI	′	_	DEV04 0005							
FOR LEVEL OWILDIN		ENSION OF DEV#:	DEV24-0385	FORM#233813		AFFECTED MFG F				
OP-LEVEL SKU P/N	N(S) AND MODEL NUMBER(S):	D 40446			(PIRATION DATE:	005 LAM	013S STL	025 C	OTY 🗹	041 NOG
	PN177593 MOI	D 48116		24-Jun-25	24-Aug-25	008 BUY	019 AZU		uc 🔲	047 TUC
ROJECT NAME OR						013E EEX	020MX NMD		LG 🔲	CHINA
EASON FOR DEVIA								APPROV.	APPROVALS (ALL REQUIRED):	
This document aims to accept the Gearbox Cup (PN177593) with DIM "B" out of control for cavities 15 and 19. The drawing calls out for DIM "B", mold 48116 , a value of . 421+/- 0.002 (note 14)								QUALITY	QUALITY MGR. OR QUALITY ENG.	
	tor DIM "B", moid 48116, a value of . urements of .4186" (cav 15), and .418		of spec					Ra	miro Casas / J	ose L. Montero
	as replaced and DIM 0.085 (non critic			f .0899						
	ance between the center of two holes		-	y (detail G)						
	n additional extension on dates for vas not completed due to failures caus							MANUFA	CTURING ENG	SINEER
	irred where the mold was sent for rep			pleted. Currently, there are 13 we	eks remaining, and we n	eed to continue incre	asing the inventory			
void losses.										
ISK ASSESSMENT	CORRECTIVE ACTION PLAN (NA	MES & DATES / COMMUTAN	=NT·						Claudia /	Anava
	g built 250 rotors (PCO27948), 100% were			embly cell #3.				ENIONIE		
No rotationa issues were detected during or at the end of the test.						ENGINEE	RING MANAG			
	evaluated in the water tank, all the rotors m condition reported by ELAG molding, DIM			ors and considers the impact as low ris	sk.				Paul Dibene /	
orrective plan (Update	ed):			,				BUYER C	R BUYER/PLA	ANNER
	eks of inventory, Daniel Mendoza. Estima: erry Huang Estima:									
- Mold refurbishment, Sherry Huang. Estimated completion date 11/27/25 - Mold validation, Carlos Dominguez. Estimated completion date 12/14/25									Jose Hi	uerta
DRAWING NUMBE	ER: DRAWING REVISION:	DEVIATION REVISION	: DRAWING TIT	LE/ PART DESCRIPTION:			VENDOR:	PLANT M	ANAGER	
177593				Gearbox cup			026 EL LAG	0	Jorge Borquez	
		-			<u>'</u>			SRUPRO		OR SBU ENG. MGF
			+					OBOTING		
									Jeffrey Jo	
									Daniel Mendoz	-
										a, Shery Huang Delfino Ramirez
ESCRIPTION OF DE	EVIATION (IS/WAS CONDITION AN	D DRAWING ZONE FOR EAC	H PART NO. OR AT	TACH REDLINE PRINTS):				Carlo QUALITY	os Domingues, DIRECTOR (R	Delfino Ramirez EQUIRED FOR
ESCRIPTION OF DE	EVIATION (IS/WAS CONDITION AN	D DRAWING ZONE FOR EAC	H PART NO. OR AT	TACH REDLINE PRINTS):				Carlo QUALITY	os Domingues, DIRECTOR (R	Delfino Ramirez
ESCRIPTION OF DE	EVIATION (IS/WAS CONDITION AN	D DRAWING ZONE FOR EAC	H PART NO. OR AT	TACH REDLINE PRINTS):				Carlo QUALITY	os Domingues, DIRECTOR (R	Delfino Ramirez EQUIRED FOR DEVIATIONS)
ESCRIPTION OF DE	EVIATION (IS/WAS CONDITION AN	D DRAWING ZONE FOR EAC	H PART NO. OR AT	TACH REDLINE PRINTS):				Carlo QUALITY	os Domingues, DIRECTOR (R ACK-TO-BACK	Delfino Ramirez EQUIRED FOR DEVIATIONS)
	EVIATION (IS/WAS CONDITION AN		H PART NO. OR AT	TACH REDLINE PRINTS):				Carlo QUALITY	os Domingues, DIRECTOR (R ACK-TO-BACK	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u>		<u>was</u>		TACH REDLINE PRINTS):				Carlo QUALITY B/	os Domingues, DIRECTOR (R ACK-TO-BACK	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u>	EVIATION (IS/WAS CONDITION AN + .003"005"]			TACH REDLINE PRINTS):	€ 0.034±001 -		Ø 0655	Carlo QUALITY B/	os Domingues, DIRECTOR (R ACK-TO-BACK	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):			© 0655 R.178 vs. at 8.600	QUALITY B/	os Domingues, DIRECTOR (R ACK-TO-BACK Blanca :	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -		<u>was</u>	.002"]	TACH REDLINE PRINTS):	© 0.054±001-	\	R.178	Carlo QUALITY B/	os Domingues, DIRECTOR (R ACK-TO-BACK Blanca	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):			R.178	QUALITY B/	os Domingues, DIRECTOR (R ACK-TO-BACK Blanca :	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):	C K.0241.003		R.178	QUALITY B/	os Domingues, DIRECTOR (R ACK-TO-BACK Blanca	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):	C K.0241.003		R.178	QUALITY B/	os Domingues, DIRECTOR (R ACK-TO-BACK Blanca	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):	C K.0241.003	sylor Jor	R.178 37.36 Bit R.020 =	QUALITY B/	DIRECTOR (RACK-TO-BACK Blanca	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):	R.158	spir of	R.178	Carlo	DIRECTOR (RACK-TO-BACK Blanca	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):	R.158 K.158 K.158 G. 446	25.7	8.178 9.000 BR 0.00 - 0.00 SEE DETAIL G (8.100)	Carlo	DIRECTOR (R ACK-TO-BACK Blanca	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):	R.158 K.158 K.158 G. 446	STAIL G	8.178 9.000 BR 0.00 - 0.00 SEE DETAIL G (8.100)	Carlot QUALITY By	DIRECTOR (R ACK-TO-BACK Blanca	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):	R.158 K.158 K.158 G. 446	STAIL G	8.178 9.000 BR 0.00 - 0.00 SEE DETAIL G (8.100)	Carlos QUALITY By	DIRECTOR (RACK-TO-BACK Blanca:	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	TACH REDLINE PRINTS):	R.158 K.118 K.138		8.176 9.05 B.R.020 -	Carlos QUALITY By	DIRECTOR (R ACK-TO-BACK Blanca	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	14. MOLDS: DNIGINAL DE	R.150	IM A DIM B 5±.002 0.421±.002	8.178 9.000 B. R. 0.00 - 0.000 SEE DETAIL G (8.100) DIMC D 0.2914.000 0.29	Carlos QUALITY By Paramone Pa	DIRECTOR (RACK-TO-BACK Blanca:	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	14. MOLDS: NOTE NOTE NOTE	R.150	MA DIMB 5±.002 0.421±.002 LIFE OF N/A N/A	SEE DETAIL G DIM C 0.2911.009 0.2911.009 0.7911.009 0.7911.009 0.7911.009 0.7911.009	Carlos QUALITY By Paramone Pa	DIRECTOR (RACK-TO-BACK Blanca:	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	14. MOLDS: MOLD NO. CAVITY	R.150	MA DIM B 5±.002 0.421±.002 UIFE OF	55EE DETAIL G 0.001 (8 100) 0.02 DIM C 0.021 (100) 0.02 TOOL (If APPLIC ABLE N/A N/A	Carlos QUALITY B R.1390 C R.1390 O DIML St.002 O.1784.002	DIRECTOR (RACK-TO-BACK Blanca:	Delfino Ramirez EQUIRED FOR DEVIATIONS)
<u>IS</u> [.421" -	+ .003"005"]	<u>WAS</u> [.421" + .002" -	.002"]	14. MOLDS: L	R.150 DE SIGN INILNI NO. USAGE CAV) N/A 2 IN/ACTIVE	IM A DIM B 15±.002 0.421±.002 UIFE OF N/A N/A N/A N/A	SEE DETAIL G 0.2911.002 0.2911.002 0.7911.002 0.7911.002 0.2911.002 0.2911.002 0.2911.002 0.2911.002	Carlot QUALITY B) R.1390 R.1	DIRECTOR (RACK-TO-BACK Blanca:	Delfino Ramirez EQUIRED FOR DEVIATIONS)

From: Gonzalez, Juan OTY 4356

Sent: Monday, May 19, 2025 8:13 AM

To: Casas, Ramiro OTY 4364; Montero, Jose Luis OTY 4361; Vela, Xavier OTY 4377; Huerta,

Jose OTY 4333; Borquez, Jorge OTY 4398; Huang, Sherry SDR 2624; Curiel, Omar ELAG

1284

Subject: FW: DEV25-0148 EXTENSION GEAR BOX CUP PN177593 (YOUR SIGNATURE IS

MISSING)

Attachments: DEV25-0148 EXTENSION GEAR BOX CUP PN177593.xls

Importance: High

Tracking: Recipient Response

Casas, Ramiro OTY 4364 See next page

Montero, Jose Luis OTY 4361

Approve: 5/19/2025 8:44 AM

Vela, Xavier OTY 4377

Approve: 5/20/2025 7:29 AM

Huerta, Jose OTY 4333

Approve: 5/21/2025 1:25 PM

Borquez, Jorge OTY 4398

Approve: 5/19/2025 11:45 AM

Huang, Sherry SDR 2624

Approve: 5/19/2025 9:45 AM

Curiel, Omar ELAG 1284

Approve: 5/19/2025 8:30 AM

Claudia Anaya See next page Blanca Salas See next page

See next page for additional approvals

From: Gonzalez, Juan OTY 4356
Sent: Friday, May 16, 2025 3:09 PM

To: Casas, Ramiro OTY 4364; Montero, Jose Luis OTY 4361; Vela, Xavier OTY 4377; Huerta,

Jose OTY 4333; Borquez, Jorge OTY 4398; Johnson, Jeffrey SOPT 6120; Ramirez, Delfino

ELAG 1202; Huang, Sherry SDR 2624

Subject: DEV25-0148 EXTENSION GEAR BOX CUP PN177593 (YOUR SIGNATURE IS MISSING)

Attachments: DEV25-0148 EXTENSION GEAR BOX CUP PN177593.xls

Importance: High

Tracking: Recipient Response

Casas, Ramiro OTY 4364 Approve: 5/20/2025 11:16 AM

Montero, Jose Luis OTY 4361

Vela, Xavier OTY 4377 Huerta, Jose OTY 4333 Borquez, Jorge OTY 4398

Johnson, Jeffrey SOPT 6120 Approve: 5/16/2025 3:37 PM
Ramirez, Delfino ELAG 1202 Approve: 5/19/2025 7:19 AM

Huang, Sherry SDR 2624

Team,

Please find the DEV25-0148 EXTENSION (DIM "B" out of control for cavities 15 and 19. GEAR BOX 177593)

- This deviation has the purpose to extend the deviation DEV24-0385
- The team is asking an additional extension on dates for this deviation due to the following facts:
 - 1. The previous plan was not completed due to failures caused by the poor condition of the mold.
 - 2. Several events occurred where the mold was sent for repairs, so the 20-week inventory plan could not be completed. Currently, there are 13 weeks remaining, and we need to continue increasing the inventory to avoid losses.

Your approval is highly appreciated.

Thanks in advance

Juan Gonzalez Jr.

Project Sr. Engineer (619) 661-4356 phone

Ensambles Hyson

Ave. Industrial 333 Seccion Dorada Mesa de Otay 22500 Tijuana, Mexico

jgonzalez@rainbird.com

From: Gonzalez, Juan OTY 4356

Sent: Monday, May 19, 2025 8:13 AM

To: Casas, Ramiro OTY 4364; Montero, Jose Luis OTY 4361; Vela, Xavier OTY 4377; Huerta,

Jose OTY 4333; Borquez, Jorge OTY 4398; Huang, Sherry SDR 2624; Curiel, Omar ELAG

Approve: 5/19/2025 9:45 AM

Approve: 5/19/2025 8:30 AM

1284

Subject: FW: DEV25-0148 EXTENSION GEAR BOX CUP PN177593 (YOUR SIGNATURE IS

MISSING)

Attachments: DEV25-0148 EXTENSION GEAR BOX CUP PN177593.xls

Huang, Sherry SDR 2624

Curiel, Omar ELAG 1284

Importance: High

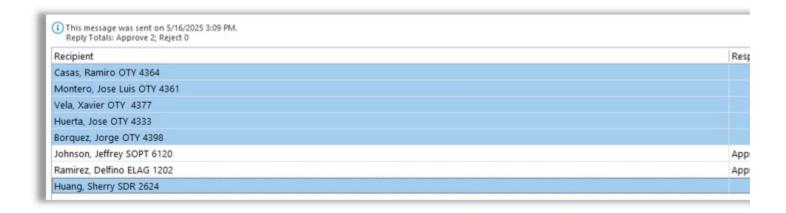
Tracking:	Recipient	Response
	Casas, Ramiro OTY 4364	
	Montero, Jose Luis OTY 4361	Approve: 5/19/2025 8:44 AM
	Vela, Xavier OTY 4377	Approve: 5/20/2025 7:29 AM
	Huerta, Jose OTY 4333	Approve: 5/21/2025 1:25 PM
	Borquez, Jorge OTY 4398	Approve: 5/19/2025 11:45 AM

Good morning,

Omar,

I know the importance of the deviation, but I am still gathering the pending signatures. I will let you know when I have all of them.

Thanks, and best regards.



Juan Gonzalez Jr.

Project Sr. Engineer (619) 661-4356 phone

Ensambles Hyson

Ave. Industrial 333 Seccion Dorada

jgonzalez@rainbird.com

From: Gonzalez, Juan OTY 4356 Sent: Friday, May 16, 2025 3:09 PM

To: Casas, Ramiro OTY 4364 <rcasas@rainbird.com>; Montero, Jose Luis OTY 4361 <jmontero@rainbird.com>; Vela, Xavier OTY 4377 <XVela@rainbird.com>; Huerta, Jose OTY 4333 <jhuerta@rainbird.com>; Borquez, Jorge OTY 4398 <jborquez@rainbird.com>; Johnson, Jeffrey SOPT 6120 <JeJohnson@rainbird.com>; Ramirez, Delfino ELAG 1202 <DRamirez@rainbird.com>; Huang, Sherry SDR 2624 <shuang@rainbird.com>

Subject: DEV25-0148 EXTENSION GEAR BOX CUP PN177593 (YOUR SIGNATURE IS MISSING)

Importance: High

Team,

Please find the DEV25-0148 EXTENSION (DIM "B" out of control for cavities 15 and 19. GEAR BOX 177593)

- This deviation has the purpose to extend the deviation DEV24-0385
- The team is asking an additional extension on dates for this deviation due to the following facts:
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 - 2. Several events occurred where the mold was sent for repairs, so the 20-week inventory plan could not be completed. Currently, there are 13 weeks remaining, and we need to continue increasing the inventory to avoid losses.

Your approval is highly appreciated.

Thanks in advance

Juan Gonzalez Jr. Project Sr. Engineer (619) 661-4356 phone

Ensambles Hyson

Ave. Industrial 333 Seccion Dorada Mesa de Otay 22500 Tijuana, Mexico

jgonzalez@rainbird.com

From: Gonzalez, Juan OTY 4356
Sent: Friday, May 16, 2025 3:09 PM

To: Casas, Ramiro OTY 4364; Montero, Jose Luis OTY 4361; Vela, Xavier OTY 4377; Huerta,

Jose OTY 4333; Borquez, Jorge OTY 4398; Johnson, Jeffrey SOPT 6120; Ramirez, Delfino

ELAG 1202; Huang, Sherry SDR 2624

Subject: DEV25-0148 EXTENSION GEAR BOX CUP PN177593 (YOUR SIGNATURE IS MISSING)

Attachments: DEV25-0148 EXTENSION GEAR BOX CUP PN177593.xls

Importance: High

Tracking: Recipient Response

Casas, Ramiro OTY 4364 Approve: 5/20/2025 11:16 AM

Montero, Jose Luis OTY 4361

Vela, Xavier OTY 4377 Huerta, Jose OTY 4333 Borquez, Jorge OTY 4398

Johnson, Jeffrey SOPT 6120 Approve: 5/16/2025 3:37 PM
Ramirez, Delfino ELAG 1202 Approve: 5/19/2025 7:19 AM

Huang, Sherry SDR 2624

Team,

Please find the DEV25-0148 EXTENSION (DIM "B" out of control for cavities 15 and 19. GEAR BOX 177593)

- This deviation has the purpose to extend the deviation DEV24-0385
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Your approval is highly appreciated.

Thanks in advance

Juan Gonzalez Jr.

Project Sr. Engineer (619) 661-4356 phone

Ensambles Hyson

Ave. Industrial 333 Seccion Dorada Mesa de Otay 22500 Tijuana, Mexico

jgonzalez@rainbird.com



From: Anaya, Claudia OTY 4329

Sent: Monday, May 5, 2025 7:40 AM

To: Gonzalez, Juan OTY 4356

Subject: Approve: DEV25-0148 EXTENSION GEAR BOX CUP PN177593.xls

From: Salas, Blanca LAM2 4020

Sent: Wednesday, May 14, 2025 10:27 PM

To: Gonzalez, Juan OTY 4356

Subject: Approve: DEV25-0148 EXTENSION GEAR BOX CUP PN177593.xls