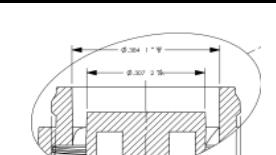
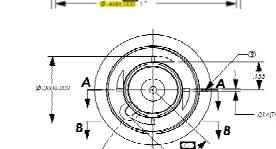
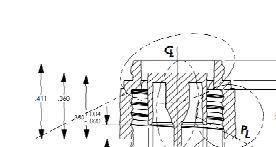


DEV NUMBER: <b>DEV24-0471</b>	ORIGINATOR: <b>Roberto Guzmán</b>	DATE: 26-Dec-24	<b>RAIN BIRD</b>	BUSINESS UNIT (SBU AND PLANT) W/ PRIMARY DESIGN CONT.	SHEET: 1 OF 1
DMR# (IF APPLICABLE):	DEVIATION TYPE: EXTENSION	NEW <input checked="" type="checkbox"/> OF DEV#:	025 OTY >> LND		
TOP-LEVEL SKU P/N(S) AND MODEL NUMBER(S): SWDMSPKIT, XS360TS, XS360TS025, XS360TSPYK			EFFECTIVITY DATE: 26-Dec-24	EXPIRATION DATE: 30-Mar-25	AFFECTED MFG PLANTS (WHERE USED): 005 LAM <input type="checkbox"/> 013S STL <input type="checkbox"/> 025 OTY <input checked="" type="checkbox"/> 041 NOG <input checked="" type="checkbox"/> 008 BUY <input type="checkbox"/> 019 AZU <input type="checkbox"/> 028 TUC <input type="checkbox"/> 047 TUC <input type="checkbox"/> 013E EEX <input type="checkbox"/> 020MX NMD <input type="checkbox"/> 026 ELG <input type="checkbox"/> CHINA <input type="checkbox"/>
PROJECT NAME OR NO. (OPTIONAL):					
<b>REASON FOR DEVIATION:</b>  Use P/N 177455 accepting described conditions.  To build up P/N 177455 inventory (150,000), avoiding shortages before new cavity stack (steel safe) is validated.  Lizbeth Martínez tested the distribution pattern in Tucson, on November, 2024. Results were satisfactory.					
<b>RISK ASSESSMENT/ CORRECTIVE ACTION PLAN (NAMES &amp; DATES)/ COMMITMENT:</b>  <b>Risk assessment:</b> Low. Distribution pattern was verified by Lizbeth Martínez, in Tucson, on November, 2024. High tightening torque may be acceptable until underlying issue is resolved.  <b>Corrective action plan:</b> Validation of new cavity stack (steel safe) will be completed by Israel Pérez in RB EL Lago on end of Q1, 2025.					
DRAWING NUMBER: <b>177455</b>	DRAWING REVISION: <b>C</b>	DEVIATION REVISION: <b>C3</b>	DRAWING TITLE/ PART DESCRIPTION: <b>FAN SPRAY BODY, MICRO SPRAY</b>	VENDOR: <b>RB EL LAGO</b>	<b>APPROVALS (ALL REQUIRED):</b> QUALITY MGR. OR QUALITY ENG. <b>Indira Aragón</b>
					MANUFACTURING ENGINEER
					<b>Cinthia Espinoza</b>
					ENGINEERING MANAGER
					<b>Xavier Vela / Paul Dibene</b>
					BUYER OR BUYER/PLANNER
					<b>Amauri Ruiz and Sergio Herrera</b>
<b>DESCRIPTION OF DEVIATION (IS/WAS CONDITION AND DRAWING ZONE FOR EACH PART NO. OR ATTACH REDLINE PRINTS):</b>					
<p><b>C8</b> → IS: DIA .468 +.006/- .000; WAS: DIA .468 +/- .000</p> <p><b>B4</b> → IS: .191 +/- .003; WAS: .189 +/- .003</p> <p><b>D5</b> → IS: DIA .486 +.005/- .001; WAS: DIA .486 +/- .003</p> <p><b>Note 9</b> → IS: GATE TO BE .010 MAX PROTRUSION; WAS: GATE TO BE .005 MAX PROTRUSION</p>  <p>Drag marks in threads are acceptable</p>  <p>Short shot is acceptable</p> 					
 <p><b>C8</b></p>  <p><b>B4</b></p>  <p><b>D5</b></p> <p>9. GATE ON THIS SURFACE ONLY. GATE TO BE .005 MAXIMUM. PROTRUSION TO .010 MAXIMUM SUB-FLOOR</p> <p><b>Note 9</b></p>					

**Guzman, Roberto OTY 4791**

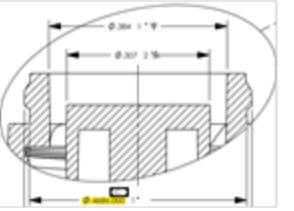
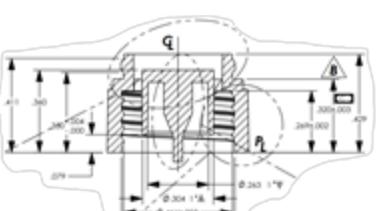
**From:** Guzman, Roberto OTY 4791  
**Sent:** Thursday, December 26, 2024 3:14 PM  
**To:** Aragon, Indira OTY 4360; Espinoza, Cinthia Yarely OTY 4340; Vela, Xavier OTY 4377; Dibene, Paul OTY2 4687; Ruiz, Amauri OTY 4374; Herrera, Sergio OTY 4392; Borquez, Jorge OTY 4398; Dailey, Paul SOPT; Rodriguez, Cesar Alberto NOG 5053; Perez, Israel ELAG 1208  
**Subject:** DEV24-0471\_DragMarksShortShotGate\_177455\_XeriBubblers

**Tracking:**

<b>Recipient</b>	<b>Delivery</b>	<b>Read</b>	<b>Response</b>
Aragon, Indira OTY 4360	Delivered: 12/26/2024 3:14 PM	Read: 12/26/2024 3:44 PM	Approve: 12/26/2024 3:47 PM
Espinoza, Cinthia Yarely OTY 4340	Delivered: 12/26/2024 3:14 PM	Read: 12/26/2024 3:24 PM	
Vela, Xavier OTY 4377	Delivered: 12/26/2024 3:15 PM		
Dibene, Paul OTY2 4687	Delivered: 12/26/2024 3:15 PM		
Ruiz, Amauri OTY 4374	Delivered: 12/26/2024 3:14 PM	Read: 12/26/2024 3:19 PM	Approve: 12/26/2024 3:19 PM
Herrera, Sergio OTY 4392	Delivered: 12/26/2024 3:14 PM	Read: 12/26/2024 3:20 PM	Approve: 12/26/2024 3:50 PM
Borquez, Jorge OTY 4398	Delivered: 12/26/2024 3:15 PM		Approve: 12/26/2024 3:21 PM
Dailey, Paul SOPT	Delivered: 12/26/2024 3:15 PM		
Rodriguez, Cesar Alberto NOG 5053	Delivered: 12/26/2024 3:15 PM		
Perez, Israel ELAG 1208	Delivered: 12/26/2024 3:14 PM	Read: 12/26/2024 3:17 PM	Approve: 12/26/2024 3:18 PM

Good afternoon, team!

Please, review and approve the attached document at your earliest convenience. Use the voting buttons in the email.

DEV NUMBER: DEV24-0471	ORIGINATOR: Roberto Guzmán	DATE: 26-Dec-24	<b>RAIN BIRD</b> <b>DEVIATION FORM (DRAWING)</b> FORM#233813-01 REV: R		BUSINESS UNIT (SBU and PLANT) W/ PRIMARY DESIGN CONTROL 025 OTY >>> LND	SHEET: 1 OF 1
DMR# (IF APPLICABLE):	DEVIATION TYPE: EXTENSION	NEW <input checked="" type="checkbox"/> FALSE				
TOP-LEVEL SKU P/N(S) AND MODEL NUMBER(S): SWDMSPKIT, XS360TS, XS360TS025, XS360TSPYK			EFFECTIVITY DATE: 26-Dec-24	EXPIRATION DATE: 30-Mar-25	AFFECTED MFG PLANTS (WHERE USED): 005 LAM <input type="checkbox"/> 013S STL <input type="checkbox"/> 025 OTY <input checked="" type="checkbox"/> 041 NOG <input checked="" type="checkbox"/> 008 BUY <input type="checkbox"/> 019 AZU <input type="checkbox"/> 028 TUC <input type="checkbox"/> 047 TUC <input type="checkbox"/> 013E EEX <input type="checkbox"/> 020MX NMD <input type="checkbox"/> 026 ELG <input type="checkbox"/> CHINA <input type="checkbox"/>	
PROJECT NAME OR NO. (OPTIONAL):						
REASON FOR DEVIATION:  Use P/N 177455 accepting described conditions.  To build up P/N 177455 inventory (150,000), avoiding shortages before new cavity stack (steel safe) is validated.  Lizbeth Martínez tested the distribution pattern in Tucson, on November, 2024. Results were satisfactory.						
RISK ASSESSMENT/ CORRECTIVE ACTION PLAN (NAMES & DATES)/ COMMITMENT:  Risk assessment: Low. Distribution pattern was verified by Lizbeth Martinez, in Tucson, on November, 2024. High tightening torque may be acceptable until underlying issue is resolved.  Corrective action plan: Validation of new cavity stack (steel safe) will be completed by Israel Pérez in RB EL Lago on end of Q1, 2025.						
DRAWING NUMBER: 177455	DRAWING REVISION: C	DEVIATION REVISION: C3	DRAWING TITLE/ PART DESCRIPTION: FAN SPRAY BODY, MICRO SPRAY	VENDOR: RB EL LAGO	APPROVALS (ALL REQUIRED): QUALITY MGR. OR QUALITY ENG. <a href="#">Indira Aragón</a>	
					MANUFACTURING ENGINEER  <a href="#">Cinthia Espinoza</a>	
					ENGINEERING MANAGER  <a href="#">Xavier Vela / Paul Dibene</a>	
					BUYER OR BUYER/PLANNER  <a href="#">Amauri Ruiz and Sergio Herrera</a>	
					PLANT MANAGER  <a href="#">Jorge Bórquez</a>	
					SBU PRODUCT MGR. OR SBU ENG. MGR.  <a href="#">Paul Dailey</a>	
					OTHER:  <a href="#">César Rodriguez and Israel Pérez</a>	
DESCRIPTION OF DEVIATION (IS/WAS CONDITION AND DRAWING ZONE FOR EACH PART NO. OR ATTACH REDLINE PRINTS):						
<p>C8 → IS: DIA .468 +.006/-0.000; WAS: DIA .468 +/- .000</p> <p>B4 → IS: .191 +/- .003; WAS: .189 +/- .003</p> <p>D5 → IS: DIA .486 +.005/-0.001; WAS: DIA .486 +/- .003</p> <p>Note 9 → IS: GATE TO BE .010 MAX PROTRUSION; WAS: GATE TO BE .005 MAX PROTRUSION</p>  <p>Drag marks in threads are acceptable</p>  <p>Short shot is acceptable</p> 						
<p>C8</p>  <p>B4</p>  <p>D5</p>  <p>Note 9</p> <p>GATE ON THIS SURFACE ONLY. GATE TO BE .005 MAXIMUM PROTRUSION TO .010 MAXIMUM SUBFLUSH</p>						

24-Hour Rule applies!

If additional information or more time is needed, please, vote “Discuss” to request it.

If you are not the correct Deviation approver, please, vote “Reject” to reassign it.

Regards,

---

**Roberto Guzmán Vega**

Sr. Product Engineer

+52 (3) 333 644791

+1 (626) 4283010, X 4791

**Ensambles Hyson**

Av. Industrial 333

Sección Dorada Parque Industrial Otay

Tijuana, México, 22500

**Guzman, Roberto OTY 4791**

---

**From:** Espinoza, Cinthia Yarely OTY 4340  
**Sent:** Friday, December 27, 2024 9:19 AM  
**To:** Guzman, Roberto OTY 4791; Aragon, Indira OTY 4360; Vela, Xavier OTY 4377; Dibene, Paul OTY2 4687; Ruiz, Amauri OTY 4374; Herrera, Sergio OTY 4392; Borquez, Jorge OTY 4398; Dailey, Paul SOPT; Rodriguez, Cesar Alberto NOG 5053; Perez, Israel ELAG 1208  
**Subject:** RE: DEV24-0471\_DragMarksShortShotGate\_177455\_XeriBubblers

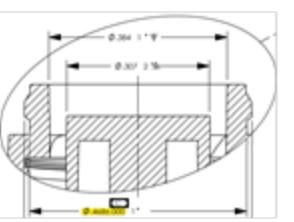
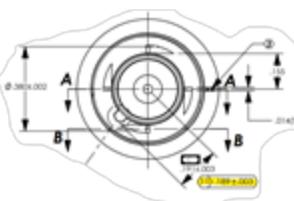
Approved.

---

**From:** Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>  
**Sent:** Thursday, December 26, 2024 3:14 PM  
**To:** Aragon, Indira OTY 4360 <[IAGron@rainbird.com](mailto:IAGron@rainbird.com)>; Espinoza, Cinthia Yarely OTY 4340 <[CiEspinoza@rainbird.com](mailto:CiEspinoza@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Ruiz, Amauri OTY 4374 <[amruiz@rainbird.com](mailto:amruiz@rainbird.com)>; Herrera, Sergio OTY 4392 <[SHerrera@rainbird.com](mailto:SHerrera@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>; Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>  
**Subject:** DEV24-0471\_DragMarksShortShotGate\_177455\_XeriBubblers

Good afternoon, team!

Please, review and approve the attached document at your earliest convenience. Use the voting buttons in the email.

DEV NUMBER: DEV24-0471	ORIGINATOR: Roberto Guzmán	DATE: 26-Dec-24	<b>RAIN BIRD</b> <b>DEVIATION FORM (DRAWING)</b> FORM#233813-01 REV: R		BUSINESS UNIT (SBU and PLANT) W/ PRIMARY DESIGN CONTROL 025 OTY >>> LND	SHEET: 1 OF 1
DMR# (IF APPLICABLE):	DEVIATION TYPE: EXTENSION	NEW <input checked="" type="checkbox"/> FALSE			AFFECTED MFG PLANTS (WHERE USED): 005 LAM <input type="checkbox"/> 013S STL <input type="checkbox"/> 025 OTY <input checked="" type="checkbox"/> 041 NOG <input checked="" type="checkbox"/> 008 BUY <input type="checkbox"/> 019 AZU <input type="checkbox"/> 028 TUC <input type="checkbox"/> 047 TUC <input type="checkbox"/> 013E EEX <input type="checkbox"/> 020MX NMD <input type="checkbox"/> 026 ELG <input type="checkbox"/> CHINA <input type="checkbox"/>	
TOP-LEVEL SKU P/N(S) AND MODEL NUMBER(S): SWDMSPKIT, XS360TS, XS360TS025, XS360TSPYK			EFFECTIVITY DATE: 26-Dec-24	EXPIRATION DATE: 30-Mar-25		
PROJECT NAME OR NO. (OPTIONAL):						
REASON FOR DEVIATION:  Use P/N 177455 accepting described conditions.  To build up P/N 177455 inventory (150,000), avoiding shortages before new cavity stack (steel safe) is validated.  Lizbeth Martínez tested the distribution pattern in Tucson, on November, 2024. Results were satisfactory.						
RISK ASSESSMENT/ CORRECTIVE ACTION PLAN (NAMES & DATES)/ COMMITMENT:  Risk assessment: Low. Distribution pattern was verified by Lizbeth Martinez, in Tucson, on November, 2024. High tightening torque may be acceptable until underlying issue is resolved.  Corrective action plan: Validation of new cavity stack (steel safe) will be completed by Israel Pérez in RB EL Lago on end of Q1, 2025.						
DRAWING NUMBER: 177455	DRAWING REVISION: C	DEVIATION REVISION: C3	DRAWING TITLE/ PART DESCRIPTION: FAN SPRAY BODY, MICRO SPRAY	VENDOR: RB EL LAGO	APPROVALS (ALL REQUIRED): QUALITY MGR. OR QUALITY ENG. <a href="#">Indira Aragón</a>	
					MANUFACTURING ENGINEER  <a href="#">Cinthia Espinoza</a>	
					ENGINEERING MANAGER  <a href="#">Xavier Vela / Paul Dibene</a>	
					BUYER OR BUYER/PLANNER  <a href="#">Amauri Ruiz and Sergio Herrera</a>	
					PLANT MANAGER  <a href="#">Jorge Bórquez</a>	
					SBU PRODUCT MGR. OR SBU ENG. MGR.  <a href="#">Paul Dailey</a>	
					OTHER:  <a href="#">César Rodriguez and Israel Pérez</a>	
DESCRIPTION OF DEVIATION (IS/WAS CONDITION AND DRAWING ZONE FOR EACH PART NO. OR ATTACH REDLINE PRINTS):						
<p>C8 → IS: DIA .468 +.006/-0.000; WAS: DIA .468 +/- .000</p> <p>B4 → IS: .191 +/- .003; WAS: .189 +/- .003</p> <p>D5 → IS: DIA .486 +.005/-0.001; WAS: DIA .486 +/- .003</p> <p>Note 9 → IS: GATE TO BE .010 MAX PROTRUSION; WAS: GATE TO BE .005 MAX PROTRUSION</p>  <p>Drag marks in threads are acceptable</p>  <p>Short shot is acceptable</p> 						
<p>C8</p>  <p>B4</p>  <p>D5</p> <img alt="Technical drawing D5 showing a cross-section of a part with various dimensions including A1=0.360, A2=0.200, A3=0.200, A4=0.000, A5=0.000, A6=0.000, A7=0.000, A8=0.000, A9=0.000, A10=0.000, A11=0.000, A12=0.000, A13=0.000, A14=0.000, A15=0.000, A16=0.000, A17=0.000, A18=0.000, A19=0.000, A20=0.000, A21=0.000, A22=0.000, A23=0.000, A24=0.000, A25=0.000, A26=0.000, A27=0.000, A28=0.000, A29=0.000, A30=0.000, A31=0.000, A32=0.000, A33=0.000, A34=0.000, A35=0.000, A36=0.000, A37=0.000, A38=0.000, A39=0.000, A40=0.000, A41=0.000, A42=0.000, A43=0.000, A44=0.000, A45=0.000, A46=0.000, A47=0.000, A48=0.000, A49=0.000, A50=0.000, A51=0.000, A52=0.000, A53=0.000, A54=0.000, A55=0.000, A56=0.000, A57=0.000, A58=0.000, A59=0.000, A60=0.000, A61=0.000, A62=0.000, A63=0.000, A64=0.000, A65=0.000, A66=0.000, A67=0.000, A68=0.000, A69=0.000, A70=0.000, A71=0.000, A72=0.000, A73=0.000, A74=0.000, A75=0.000, A76=0.000, A77=0.000, A78=0.000, A79=0.000, A80=0.000, A81=0.000, A82=0.000, A83=0.000, A84=0.000, A85=0.000, A86=0.000, A87=0.000, A88=0.000, A89=0.000, A90=0.000, A91=0.000, A92=0.000, A93=0.000, A94=0.000, A95=0.000, A96=0.000, A97=0.000, A98=0.000, A99=0.000, A100=0.000, A101=0.000, A102=0.000, A103=0.000, A104=0.000, A105=0.000, A106=0.000, A107=0.000, A108=0.000, A109=0.000, A110=0.000, A111=0.000, A112=0.000, A113=0.000, A114=0.000, A115=0.000, A116=0.000, A117=0.000, A118=0.000, A119=0.000, A120=0.000, A121=0.000, A122=0.000, A123=0.000, A124=0.000, A125=0.000, A126=0.000, A127=0.000, A128=0.000, A129=0.000, A130=0.000, A131=0.000, A132=0.000, A133=0.000, A134=0.000, A135=0.000, A136=0.000, A137=0.000, A138=0.000, A139=0.000, A140=0.000, A141=0.000, A142=0.000, A143=0.000, A144=0.000, A145=0.000, A146=0.000, A147=0.000, A148=0.000, A149=0.000, A150=0.000, A151=0.000, A152=0.000, A153=0.000, A154=0.000, A155=0.000, A156=0.000, A157=0.000, A158=0.000, A159=0.000, A160=0.000, A161=0.000, A162=0.000, A163=0.000, A164=0.000, A165=0.000, A166=0.000, A167=0.000, A168=0.000, A169=0.000, A170=0.000, A171=0.000, A172=0.000, A173=0.000, A174=0.000, A175=0.000, A176=0.000, A177=0.000, A178=0.000, A179=0.000, A180=0.000, A181=0.000, A182=0.000, A183=0.000, A184=0.000, A185=0.000, A186=0.000, A187=0.000, A188=0.000, A189=0.000, A190=0.000, A191=0.000, A192=0.000, A193=0.000, A194=0.000, A195=0.000, A196=0.000, A197=0.000, A198=0.000, A199=0.000, A200=0.000, A201=0.000, A202=0.000, A203=0.000, A204=0.000, A205=0.000, A206=0.000, A207=0.000, A208=0.000, A209=0.000, A210=0.000, A211=0.000, A212=0.000, A213=0.000, A214=0.000, A215=0.000, A216=0.000, A217=0.000, A218=0.000, A219=0.000, A220=0.000, A221=0.000, A222=0.000, A223=0.000, A224=0.000, A225=0.000, A226=0.000, A227=0.000, A228=0.000, A229=0.000, A230=0.000, A231=0.000, A232=0.000, A233=0.000, A234=0.000, A235=0.000, A236=0.000, A237=0.000, A238=0.000, A239=0.000, A240=0.000, A241=0.000, A242=0.000, A243=0.000, A244=0.000, A245=0.000, A246=0.000, A247=0.000, A248=0.000, A249=0.000, A250=0.000, A251=0.000, A252=0.000, A253=0.000, A254=0.000, A255=0.000, A256=0.000, A257=0.000, A258=0.000, A259=0.000, A260=0.000, A261=0.000, A262=0.000, A263=0.000, A264=0.000, A265=0.000, A266=0.000, A267=0.000, A268=0.000, A269=0.000, A270=0.000, A271=0.000, A272=0.000, A273=0.000, A274=0.000, A275=0.000, A276=0.000, A277=0.000, A278=0.000, A279=0.000, A280=0.000, A281=0.000, A282=0.000, A283=0.000, A284=0.000, A285=0.000, A286=0.000, A287=0.000, A288=0.000, A289=0.000, A290=0.000, A291=0.000, A292=0.000, A293=0.000, A294=0.000, A295=0.000, A296=0.000, A297=0.000, A298=0.000, A299=0.000, A300=0.000, A301=0.000, A302=0.000, A303=0.000, A304=0.000, A305=0.000, A306=0.000, A307=0.000, A308=0.000, A309=0.000, A310=0.000, A311=0.000, A312=0.000, A313=0.000, A314=0.000, A315=0.000, A316=0.000, A317=0.000, A318=0.000, A319=0.000, A320=0.000, A321=0.000, A322=0.000, A323=0.000, A324=0.000, A325=0.000, A326=0.000, A327=0.000, A328=0.000, A329=0.000, A330=0.000, A331=0.000, A332=0.000, A333=0.000, A334=0.000, A335=0.000, A336=0.000, A337=0.000, A338=0.000, A339=0.000, A340=0.000, A341=0.000, A342=0.000, A343=0.000, A344=0.000, A345=0.000, A346=0.000, A347=0.000, A348=0.000, A349=0.000, A350=0.000, A351=0.000, A352=0.000, A353=0.000, A354=0.000, A355=0.000, A356=0.000, A357=0.000, A358=0.000, A359=0.000, A360=0.000, A361=0.000, A362=0.000, A363=0.000, A364=0.000, A365=0.000, A366=0.000, A367=0.000, A368=0.000, A369=0.000, A370=0.000, A371=0.000, A372=0.000, A373=0.000, A374=0.000, A375=0.000, A376=0.000, A377=0.000, A378=0.000, A379=0.000, A380=0.000, A381=0.000, A382=0.000, A383=0.000, A384=0.000, A385=0.000, A386=0.000, A387=0.000, A388=0.000, A389=0.000, A390=0.000, A391=0.000, A392=0.000, A393=0.000, A394=0.000, A395=0.000, A396=0.000, A397=0.000, A398=0.000, A399=0.000, A400=0.000, A401=0.000, A402=0.000, A403=0.000, A404=0.000, A405=0.000, A406=0.000, A407=0.000, A408=0.000, A409=0.000, A410=0.000, A411=0.000, A412=0.000, A413=0.000, A414=0.000, A415=0.000, A416=0.000, A417=0.000, A418=0.000, A419=0.000, A420=0.000, A421=0.000, A422=0.000, A423=0.000, A424=0.000, A425=0.000, A426=0.000, A427=0.000, A428=0.000, A429=0.000, A430=0.000, A431=0.000, A432=0.000, A433=0.000, A434=0.000, A435=0.000, A436=0.000, A437=0.000, A438=0.000, A439=0.000, A440=0.000, A441=0.000, A442=0.000, A443=0.000, A444=0.000, A445=0.000, A446=0.000, A447=0.000, A448=0.000, A449=0.000, A450=0.000, A451=0.000, A452=0.000, A453=0.000, A454=0.000, A455=0.000, A456=0.000, A457=0.000, A458=0.000, A459=0.000, A460=0.000, A461=0.000, A462=0.000, A463=0.000, A464=0.000, A465=0.000, A466=0.000, A467=0.000, A468=0.000, A469=0.000, A470=0.000, A471=0.000, A472=0.000, A473=0.000, A474=0.000, A475=0.000, A476=0.000, A477=0.000, A478=0.000, A479=0.000, A480=0.000, A481=0.000, A482=0.000, A483=0.000, A484=0.000, A485=0.000, A486=0.000, A487=0.000, A488=0.000, A489=0.000, A490=0.000, A491=0.000, A492=0.000, A493=0.000, A494=0.000, A495=0.000, A496=0.000, A497=0.000, A498=0.000, A499=0.000, A500=0.000, A501=0.000, A502=0.000, A503=0.000, A504=0.000, A505=0.000, A506=0.000, A507=0.000, A508=0.000, A509=0.000, A510=0.000, A511=0.000, A512=0.000, A513=0.000, A514=0.000, A515=0.000, A516=0.000, A517=0.000, A518=0.000, A519=0.000, A520=0.000, A521=0.000, A522=0.000, A523=0.000, A524=0.000, A525=0.000, A526=0.000, A527=0.000, A528=0.000, A529=0.000, A530=0.000, A531=0.000, A532=0.000, A533=0.000, A534=0.000, A535=0.000, A536=0.000, A537=0.000, A538=0.000, A539=0.000, A540=0.000, A541=0.000, A542=0.000, A543=0.000, A544=0.000, A545=0.000, A546=0.000, A547=0.000, A548=0.000, A549=0.000, A550=0.000, A551=0.000, A552=0.00						

If additional information or more time is needed, please, vote “Discuss” to request it.

If you are not the correct Deviation approver, please, vote “Reject” to reassign it.

Regards,

---

**Roberto Guzmán Vega**

Sr. Product Engineer

+52 (3) 333 644791

+1 (626) 4283010, X 4791

**Ensambles Hyson**

Av. Industrial 333

Sección Dorada Parque Industrial Otay

Tijuana, México, 22500

**Guzman, Roberto OTY 4791**

---

**From:** Rodriguez, Cesar Alberto NOG 5053  
**Sent:** Friday, December 27, 2024 8:22 AM  
**To:** Guzman, Roberto OTY 4791; Aragon, Indira OTY 4360; Espinoza, Cinthia Yarely OTY 4340; Vela, Xavier OTY 4377; Dibene, Paul OTY2 4687; Ruiz, Amauri OTY 4374; Herrera, Sergio OTY 4392; Borquez, Jorge OTY 4398; Dailey, Paul SOPT; Perez, Israel ELAG 1208  
**Subject:** Re: DEV24-0471\_DragMarksShortShotGate\_177455\_XeriBubblers

Approved

Enviado desde mi Samsung Mobile de Telcel

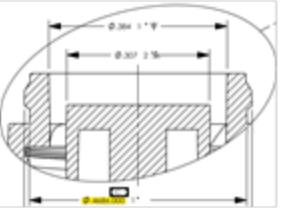
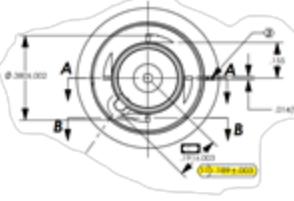
Obtener [Outlook para Android](#)

---

**From:** Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>  
**Sent:** Thursday, December 26, 2024 5:14:23 PM  
**To:** Aragon, Indira OTY 4360 <[IAGragon@rainbird.com](mailto:IAGragon@rainbird.com)>; Espinoza, Cinthia Yarely OTY 4340 <[CiEspinoza@rainbird.com](mailto:CiEspinoza@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Ruiz, Amauri OTY 4374 <[amruiz@rainbird.com](mailto:amruiz@rainbird.com)>; Herrera, Sergio OTY 4392 <[SHerrera@rainbird.com](mailto:SHerrera@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>; Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>  
**Subject:** DEV24-0471\_DragMarksShortShotGate\_177455\_XeriBubblers

Good afternoon, team!

Please, review and approve the attached document at your earliest convenience. Use the voting buttons in the email.

DEV NUMBER: DEV24-0471	ORIGINATOR: Roberto Guzmán	DATE: 26-Dec-24	<b>RAIN BIRD</b> <b>DEVIATION FORM (DRAWING)</b> FORM#233813-01 REV: R		BUSINESS UNIT (SBU and PLANT) W/ PRIMARY DESIGN CONTROL 025 OTY >>> LND	SHEET: 1 OF 1
DMR# (IF APPLICABLE):	DEVIATION TYPE: EXTENSION	NEW <input checked="" type="checkbox"/> FALSE				
TOP-LEVEL SKU P/N(S) AND MODEL NUMBER(S): SWDMSPKIT, XS360TS, XS360TS025, XS360TSPYK			EFFECTIVITY DATE: 26-Dec-24	EXPIRATION DATE: 30-Mar-25	AFFECTED MFG PLANTS (WHERE USED): 005 LAM <input type="checkbox"/> 013S STL <input type="checkbox"/> 025 OTY <input checked="" type="checkbox"/> 041 NOG <input checked="" type="checkbox"/> 008 BUY <input type="checkbox"/> 019 AZU <input type="checkbox"/> 028 TUC <input type="checkbox"/> 047 TUC <input type="checkbox"/> 013E EEX <input type="checkbox"/> 020MX NMD <input type="checkbox"/> 026 ELG <input type="checkbox"/> CHINA <input type="checkbox"/>	
PROJECT NAME OR NO. (OPTIONAL):						
REASON FOR DEVIATION:  Use P/N 177455 accepting described conditions.  To build up P/N 177455 inventory (150,000), avoiding shortages before new cavity stack (steel safe) is validated.  Lizbeth Martínez tested the distribution pattern in Tucson, on November, 2024. Results were satisfactory.						
RISK ASSESSMENT/ CORRECTIVE ACTION PLAN (NAMES & DATES)/ COMMITMENT:  Risk assessment: Low. Distribution pattern was verified by Lizbeth Martinez, in Tucson, on November, 2024. High tightening torque may be acceptable until underlying issue is resolved.  Corrective action plan: Validation of new cavity stack (steel safe) will be completed by Israel Pérez in RB EL Lago on end of Q1, 2025.						
DRAWING NUMBER: 177455	DRAWING REVISION: C	DEVIATION REVISION: C3	DRAWING TITLE/ PART DESCRIPTION: FAN SPRAY BODY, MICRO SPRAY	VENDOR: RB EL LAGO	APPROVALS (ALL REQUIRED): QUALITY MGR. OR QUALITY ENG. <a href="#">Indira Aragón</a>	
					MANUFACTURING ENGINEER  <a href="#">Cinthia Espinoza</a>	
					ENGINEERING MANAGER  <a href="#">Xavier Vela / Paul Dibene</a>	
					BUYER OR BUYER/PLANNER  <a href="#">Amauri Ruiz and Sergio Herrera</a>	
					PLANT MANAGER  <a href="#">Jorge Bórquez</a>	
					SBU PRODUCT MGR. OR SBU ENG. MGR.  <a href="#">Paul Dailey</a>	
					OTHER:  <a href="#">César Rodriguez and Israel Pérez</a>	
DESCRIPTION OF DEVIATION (IS/WAS CONDITION AND DRAWING ZONE FOR EACH PART NO. OR ATTACH REDLINE PRINTS):						
<p>C8 → IS: DIA .468 +.006/-0.000; WAS: DIA .468 +/- .000</p> <p>B4 → IS: .191 +/- .003; WAS: .189 +/- .003</p> <p>D5 → IS: DIA .486 +.005/-0.001; WAS: DIA .486 +/- .003</p> <p>Note 9 → IS: GATE TO BE .010 MAX PROTRUSION; WAS: GATE TO BE .005 MAX PROTRUSION</p>  <p>Drag marks in threads are acceptable</p>  <p>Short shot is acceptable</p> 						
<p>C8</p>  <p>B4</p>  <p>D5</p> <img alt="Technical drawing D5 showing a cross-section of a part with various dimensions including A10 (.360), A11 (.200), A12 (.200), A13 (.200), A14 (.200), A15 (.200), A16 (.200), A17 (.200), A18 (.200), A19 (.200), A20 (.200), A21 (.200), A22 (.200), A23 (.200), A24 (.200), A25 (.200), A26 (.200), A27 (.200), A28 (.200), A29 (.200), A30 (.200), A31 (.200), A32 (.200), A33 (.200), A34 (.200), A35 (.200), A36 (.200), A37 (.200), A38 (.200), A39 (.200), A40 (.200), A41 (.200), A42 (.200), A43 (.200), A44 (.200), A45 (.200), A46 (.200), A47 (.200), A48 (.200), A49 (.200), A50 (.200), A51 (.200), A52 (.200), A53 (.200), A54 (.200), A55 (.200), A56 (.200), A57 (.200), A58 (.200), A59 (.200), A60 (.200), A61 (.200), A62 (.200), A63 (.200), A64 (.200), A65 (.200), A66 (.200), A67 (.200), A68 (.200), A69 (.200), A70 (.200), A71 (.200), A72 (.200), A73 (.200), A74 (.200), A75 (.200), A76 (.200), A77 (.200), A78 (.200), A79 (.200), A80 (.200), A81 (.200), A82 (.200), A83 (.200), A84 (.200), A85 (.200), A86 (.200), A87 (.200), A88 (.200), A89 (.200), A90 (.200), A91 (.200), A92 (.200), A93 (.200), A94 (.200), A95 (.200), A96 (.200), A97 (.200), A98 (.200), A99 (.200), A100 (.200), A101 (.200), A102 (.200), A103 (.200), A104 (.200), A105 (.200), A106 (.200), A107 (.200), A108 (.200), A109 (.200), A110 (.200), A111 (.200), A112 (.200), A113 (.200), A114 (.200), A115 (.200), A116 (.200), A117 (.200), A118 (.200), A119 (.200), A120 (.200), A121 (.200), A122 (.200), A123 (.200), A124 (.200), A125 (.200), A126 (.200), A127 (.200), A128 (.200), A129 (.200), A130 (.200), A131 (.200), A132 (.200), A133 (.200), A134 (.200), A135 (.200), A136 (.200), A137 (.200), A138 (.200), A139 (.200), A140 (.200), A141 (.200), A142 (.200), A143 (.200), A144 (.200), A145 (.200), A146 (.200), A147 (.200), A148 (.200), A149 (.200), A150 (.200), A151 (.200), A152 (.200), A153 (.200), A154 (.200), A155 (.200), A156 (.200), A157 (.200), A158 (.200), A159 (.200), A160 (.200), A161 (.200), A162 (.200), A163 (.200), A164 (.200), A165 (.200), A166 (.200), A167 (.200), A168 (.200), A169 (.200), A170 (.200), A171 (.200), A172 (.200), A173 (.200), A174 (.200), A175 (.200), A176 (.200), A177 (.200), A178 (.200), A179 (.200), A180 (.200), A181 (.200), A182 (.200), A183 (.200), A184 (.200), A185 (.200), A186 (.200), A187 (.200), A188 (.200), A189 (.200), A190 (.200), A191 (.200), A192 (.200), A193 (.200), A194 (.200), A195 (.200), A196 (.200), A197 (.200), A198 (.200), A199 (.200), A200 (.200), A201 (.200), A202 (.200), A203 (.200), A204 (.200), A205 (.200), A206 (.200), A207 (.200), A208 (.200), A209 (.200), A210 (.200), A211 (.200), A212 (.200), A213 (.200), A214 (.200), A215 (.200), A216 (.200), A217 (.200), A218 (.200), A219 (.200), A220 (.200), A221 (.200), A222 (.200), A223 (.200), A224 (.200), A225 (.200), A226 (.200), A227 (.200), A228 (.200), A229 (.200), A230 (.200), A231 (.200), A232 (.200), A233 (.200), A234 (.200), A235 (.200), A236 (.200), A237 (.200), A238 (.200), A239 (.200), A240 (.200), A241 (.200), A242 (.200), A243 (.200), A244 (.200), A245 (.200), A246 (.200), A247 (.200), A248 (.200), A249 (.200), A250 (.200), A251 (.200), A252 (.200), A253 (.200), A254 (.200), A255 (.200), A256 (.200), A257 (.200), A258 (.200), A259 (.200), A260 (.200), A261 (.200), A262 (.200), A263 (.200), A264 (.200), A265 (.200), A266 (.200), A267 (.200), A268 (.200), A269 (.200), A270 (.200), A271 (.200), A272 (.200), A273 (.200), A274 (.200), A275 (.200), A276 (.200), A277 (.200), A278 (.200), A279 (.200), A280 (.200), A281 (.200), A282 (.200), A283 (.200), A284 (.200), A285 (.200), A286 (.200), A287 (.200), A288 (.200), A289 (.200), A290 (.200), A291 (.200), A292 (.200), A293 (.200), A294 (.200), A295 (.200), A296 (.200), A297 (.200), A298 (.200), A299 (.200), A300 (.200), A301 (.200), A302 (.200), A303 (.200), A304 (.200), A305 (.200), A306 (.200), A307 (.200), A308 (.200), A309 (.200), A310 (.200), A311 (.200), A312 (.200), A313 (.200), A314 (.200), A315 (.200), A316 (.200), A317 (.200), A318 (.200), A319 (.200), A320 (.200), A321 (.200), A322 (.200), A323 (.200), A324 (.200), A325 (.200), A326 (.200), A327 (.200), A328 (.200), A329 (.200), A330 (.200), A331 (.200), A332 (.200), A333 (.200), A334 (.200), A335 (.200), A336 (.200), A337 (.200), A338 (.200), A339 (.200), A340 (.200), A341 (.200), A342 (.200), A343 (.200), A344 (.200), A345 (.200), A346 (.200), A347 (.200), A348 (.200), A349 (.200), A350 (.200), A351 (.200), A352 (.200), A353 (.200), A354 (.200), A355 (.200), A356 (.200), A357 (.200), A358 (.200), A359 (.200), A360 (.200), A361 (.200), A362 (.200), A363 (.200), A364 (.200), A365 (.200), A366 (.200), A367 (.200), A368 (.200), A369 (.200), A370 (.200), A371 (.200), A372 (.200), A373 (.200), A374 (.200), A375 (.200), A376 (.200), A377 (.200), A378 (.200), A379 (.200), A380 (.200), A381 (.200), A382 (.200), A383 (.200), A384 (.200), A385 (.200), A386 (.200), A387 (.200), A388 (.200), A389 (.200), A390 (.200), A391 (.200), A392 (.200), A393 (.200), A394 (.200), A395 (.200), A396 (.200), A397 (.200), A398 (.200), A399 (.200), A400 (.200), A401 (.200), A402 (.200), A403 (.200), A404 (.200), A405 (.200), A406 (.200), A407 (.200), A408 (.200), A409 (.200), A410 (.200), A411 (.200), A412 (.200), A413 (.200), A414 (.200), A415 (.200), A416 (.200), A417 (.200), A418 (.200), A419 (.200), A420 (.200), A421 (.200), A422 (.200), A423 (.200), A424 (.200), A425 (.200), A426 (.200), A427 (.200), A428 (.200), A429 (.200), A430 (.200), A431 (.200), A432 (.200), A433 (.200), A434 (.200), A435 (.200), A436 (.200), A437 (.200), A438 (.200), A439 (.200), A440 (.200), A441 (.200), A442 (.200), A443 (.200), A444 (.200), A445 (.200), A446 (.200), A447 (.200), A448 (.200), A449 (.200), A450 (.200), A451 (.200), A452 (.200), A453 (.200), A454 (.200), A455 (.200), A456 (.200), A457 (.200), A458 (.200), A459 (.200), A460 (.200), A461 (.200), A462 (.200), A463 (.200), A464 (.200), A465 (.200), A466 (.200), A467 (.200), A468 (.200), A469 (.200), A470 (.200), A471 (.200), A472 (.200), A473 (.200), A474 (.200), A475 (.200), A476 (.200), A477 (.200), A478 (.200), A479 (.200), A480 (.200), A481 (.200), A482 (.200), A483 (.200), A484 (.200), A485 (.200), A486 (.200), A487 (.200), A488 (.200), A489 (.200), A490 (.200), A491 (.200), A492 (.200), A493 (.200), A494 (.200), A495 (.200), A496 (.200), A497 (.200), A498 (.200), A499 (.200), A500 (.200), A501 (.200), A502 (.200), A503 (.200), A504 (.200), A505 (.200), A506 (.200), A507 (.200), A508 (.200), A509 (.200), A510 (.200), A511 (.200), A512 (.200), A513 (.200), A514 (.200), A515 (.200), A516 (.200), A517 (.200), A518 (.200), A519 (.200), A520 (.200), A521 (.200), A522 (.200), A523 (.200), A524 (.200), A525 (.200), A526 (.200), A527 (.200), A528 (.200), A529 (.200), A530 (.200), A531 (.200), A532 (.200), A533 (.200), A534 (.200), A535 (.200), A536 (.200), A537 (.200), A538 (.200), A539 (.200), A540 (.200), A541 (.200), A542 (.200), A543 (.200), A544 (.200), A545 (.200), A546 (.200), A547 (.200), A548 (.200), A549 (.200), A550 (.200), A551 (.200), A552 (.200), A553 (.200), A554 (.200), A555 (.200), A556 (.200), A557 (.200), A558 (.200), A559 (.200), A560 (.200), A561 (.200), A562 (.200), A563 (.200), A564 (.200), A565 (.200), A566 (.200), A567 (.200), A568 (.200), A569 (.200), A570 (.200), A571 (.200), A572 (.200), A573 (.200), A574 (.200), A575 (.200), A576 (.200), A577 (.200), A578 (.200), A579 (.200), A580 (.200), A581 (.200), A582 (.200), A583 (.200), A584 (.200), A585 (.200), A586 (.200), A587 (.200), A588 (.200), A589 (.200), A590 (.200), A591 (.200), A592 (.200), A593 (.200), A594 (.200), A595 (.200), A596 (.200), A597 (.200), A598 (.200), A599 (.200), A600 (.200), A601 (.200), A602 (.200), A603 (.200), A604 (.200), A605 (.200), A606 (.200), A607 (.200), A608 (.200), A609 (.200), A610 (.200), A611 (.200), A612 (.200), A613 (.200), A614 (.200), A615 (.200), A616 (.200), A617 (.200), A618 (.200), A619 (.200), A620 (.200), A621 (.200), A622 (.200), A623 (.200), A624 (.200), A625 (.200), A626 (.200), A627 (.200), A628 (.200), A629 (.200), A630 (.200), A631 (.200), A632 (.200), A633 (.200), A634 (.200), A635 (.200), A636 (.200), A637 (.200), A638 (.200), A639 (.200), A640 (.200), A641 (.200), A642 (.200), A643 (.200), A644 (.200), A645 (.200), A646 (.200), A647 (.200), A648 (.200), A649 (.200), A650 (.200), A651 (.200), A652 (.200), A653 (.200), A654 (.200), A655 (.200), A656 (.200), A657 (.200), A658 (.200), A659 (.200), A660 (.200), A661 (.200), A662 (.200), A663 (.200), A664 (.200), A665 (.200), A666 (.200), A667 (.200), A668 (.200), A669 (.200), A670 (.200), A671 (.200), A672 (.200), A673 (.200), A674 (.200), A675 (.200), A676 (.200), A677 (.200), A678 (.200), A679 (.200), A680 (.200), A681 (.200), A682 (.200), A683 (.200						

If additional information or more time is needed, please, vote “Discuss” to request it.

If you are not the correct Deviation approver, please, vote “Reject” to reassign it.

Regards,

---

**Roberto Guzmán Vega**

Sr. Product Engineer

+52 (3) 333 644791

+1 (626) 4283010, X 4791

**Ensambles Hyson**

Av. Industrial 333

Sección Dorada Parque Industrial Otay

Tijuana, México, 22500

**Guzman, Roberto OTY 4791**

---

**From:** Dailey, Paul SOPT  
**Sent:** Wednesday, December 18, 2024 2:32 PM  
**To:** Rodriguez, Cesar Alberto NOG 5053; Perez, Israel ELAG 1208; Guzman, Roberto OTY 4791; Sandoval, Jorge ELAG 1298; Curiel, Omar ELAG 1284; Ramirez, Delfino ELAG 1202; Ly, Nhi SOPT; Gruslin, Marc SOPT 6521; Harris, James SOPT 6529; Martinez, Lizbeth SOPT; Dibene, Paul OTY2 4687; Garcia, Omar SOPT 6547; Iniguez, Efrain OTY 3810; Borquez, Jorge OTY 4398; Cooper, Jeff SOPT 6563; Vela, Xavier OTY 4377; Orozco, Tessa SOPT 6519; Ruiz, Amauri OTY 4374; Verdugo, Miguel OTY 4353  
**Subject:** RE: Part 177455

Thanks for the explanation, that sounds fine to me.

-Paul

---

**From:** Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>  
**Sent:** Wednesday, December 18, 2024 3:26 PM  
**To:** Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>; Sandoval, Jorge ELAG 1298 <[jsandoval@rainbird.com](mailto:jsandoval@rainbird.com)>; Curiel, Omar ELAG 1284 <[Ocuriel@rainbird.com](mailto:Ocuriel@rainbird.com)>; Ramirez, Delfino ELAG 1202 <[DRamirez@rainbird.com](mailto:DRamirez@rainbird.com)>; Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>; Harris, James SOPT 6529 <[JHarris@rainbird.com](mailto:JHarris@rainbird.com)>; Martinez, Lizbeth SOPT <[limartinez@rainbird.com](mailto:limartinez@rainbird.com)>; Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Orozco, Tessa SOPT 6519 <[TOrozco@rainbird.com](mailto:TOrozco@rainbird.com)>; Ruiz, Amauri OTY 4374 <[amruiz@rainbird.com](mailto:amruiz@rainbird.com)>; Verdugo, Miguel OTY 4353 <[MVerdugo@rainbird.com](mailto:MVerdugo@rainbird.com)>  
**Subject:** RE: Part 177455  
**Importance:** High

Paul:

This is the case that we review back in October, long story short the mold has been running samples at El Lago and we are close to the samples that we sent to you at that time. Israel and Roberto have reviewed the results, and he will prepare a deviation to run the parts requested by Israel, this deviation will allow us to have product meanwhile we complete the mold refurbish with the new parts that are almost ready.

Meanwhile Roberto is preparing the deviation, Israel is requesting to start with the QAP and production to move ahead of the holidays.

Please let me know if you have further questions.

Cesar

---

**From:** Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>  
**Sent:** Wednesday, December 18, 2024 2:19 PM  
**To:** Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>; Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>; Sandoval, Jorge ELAG 1298 <[jsandoval@rainbird.com](mailto:jsandoval@rainbird.com)>; Curiel, Omar ELAG 1284 <[Ocuriel@rainbird.com](mailto:Ocuriel@rainbird.com)>; Ramirez, Delfino ELAG 1202 <[DRamirez@rainbird.com](mailto:DRamirez@rainbird.com)>; Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>; Harris, James SOPT 6529 <[JHarris@rainbird.com](mailto:JHarris@rainbird.com)>; Martinez, Lizbeth SOPT <[limartinez@rainbird.com](mailto:limartinez@rainbird.com)>; Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Orozco, Tessa SOPT 6519 <[TOrozco@rainbird.com](mailto:TOrozco@rainbird.com)>; Ruiz, Amauri OTY 4374 <[amruiz@rainbird.com](mailto:amruiz@rainbird.com)>; Verdugo, Miguel OTY 4353 <[MVerdugo@rainbird.com](mailto:MVerdugo@rainbird.com)>  
**Subject:** RE: Part 177455

Thank you Paul, yes it is. We reviewed it with Roberto and He's preparing the deviation for your review/approval.

Regards,

**Israel Pérez**

Senior Tooling Engineer  
619-710-1208 (U.S.)  
664-978-1208 (Mexico)

**Ensambles Hyson**

Ave. Paseo Cuacah #16750  
Fracc. El Lago  
Tijuana, Mexico

**From:** Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>

**Sent:** Wednesday, December 18, 2024 12:52

**To:** Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>; Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>; Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>; Sandoval, Jorge ELAG 1298 <[jsandoval@rainbird.com](mailto:jsandoval@rainbird.com)>; Curiel, Omar ELAG 1284 <[Ocuriel@rainbird.com](mailto:Ocuriel@rainbird.com)>; Ramirez, Delfino ELAG 1202 <[DRamirez@rainbird.com](mailto:DRamirez@rainbird.com)>; Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>; Harris, James SOPT 6529 <[JHarris@rainbird.com](mailto:JHarris@rainbird.com)>; Martinez, Lizbeth SOPT <[limartinez@rainbird.com](mailto:limartinez@rainbird.com)>; Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Orozco, Tessa SOPT 6519 <[TOrozco@rainbird.com](mailto:TOrozco@rainbird.com)>; Ruiz, Amauri OTY 4374 <[amruiz@rainbird.com](mailto:amruiz@rainbird.com)>; Verdugo, Miguel OTY 4353 <[MVerdugo@rainbird.com](mailto:MVerdugo@rainbird.com)>

**Subject:** RE: Part 177455

Hi Israel,

I don't read much Spanish, but it looks like we're still out of spec. Is the 150k parts part of the planned deviation (step 3, below), or is this something else?

-Paul

---

**From:** Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>

**Sent:** Tuesday, December 17, 2024 5:04 PM

**To:** Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>; Sandoval, Jorge ELAG 1298 <[jsandoval@rainbird.com](mailto:jsandoval@rainbird.com)>; Curiel, Omar ELAG 1284 <[Ocuriel@rainbird.com](mailto:Ocuriel@rainbird.com)>; Ramirez, Delfino ELAG 1202 <[DRamirez@rainbird.com](mailto:DRamirez@rainbird.com)>; Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>; Harris, James SOPT 6529 <[JHarris@rainbird.com](mailto:JHarris@rainbird.com)>; Martinez, Lizbeth SOPT <[limartinez@rainbird.com](mailto:limartinez@rainbird.com)>; Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Orozco, Tessa SOPT 6519 <[TOrozco@rainbird.com](mailto:TOrozco@rainbird.com)>; Ruiz, Amauri OTY 4374 <[amruiz@rainbird.com](mailto:amruiz@rainbird.com)>; Verdugo, Miguel OTY 4353 <[MVerdugo@rainbird.com](mailto:MVerdugo@rainbird.com)>

**Subject:** RE: Part 177455

Hello @Guzman, Roberto OTY 4791, @Dailey, Paul SOPT, @Rodriguez, Cesar Alberto NOG 5053

Please find attached latest QA report from ELAG for 177455. Can we have your authorization to run 150,000 Parts? Mold is at IMM066 and we estimate 5 days for completion.

Thank you,

**Israel Pérez**

Senior Tooling Engineer  
619-710-1208 (U.S.)  
664-978-1208 (Mexico)

**Ensambles Hyson**

Ave. Paseo Cucapah #16750  
Fracc. El Lago  
Tijuana, Mexico  
[RainBird.com](http://RainBird.com)

---

**From:** Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>

**Sent:** Friday, October 18, 2024 11:49

**To:** Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>; Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>

**Cc:** Harris, James SOPT 6529 <[JHarris@rainbird.com](mailto:JHarris@rainbird.com)>; Martinez, Lizbeth SOPT <[limartinez@rainbird.com](mailto:limartinez@rainbird.com)>; Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>; Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Orozco, Tessa SOPT 6519 <[TOrozco@rainbird.com](mailto:TOrozco@rainbird.com)>; Ruiz, Amauri OTY 4374 <[amruiz@rainbird.com](mailto:amruiz@rainbird.com)>

**Subject:** RE: Part 177455

**Importance:** High

This is the plan for the component 177455 that we reviewed today.

1. November 4<sup>th</sup> mold will be back at Nogales or Ambrit to run a QAP1001 to confirm the dimensions
2. Based on the report from metrology we will send parts again to Tucson from Nogales to perform the same test.
3. If all goes well a deviation will be submitted to use the component meanwhile the new cores will be available.
4. Tentative the third week of November (18-22) new set of cores will be available, new validation will be scheduled for new cores.
5. Samples will be sent to Tucson to perform a new spray pattern test.
6. Mid of December the mold should complete the process with this issue solved.

Once that the mold has completed the validation, I will arrange a follow up meeting to review the results.

Regards

Cesar

-----Original Appointment-----

**From:** Rodriguez, Cesar Alberto NOG 5053  
**Sent:** Monday, October 14, 2024 8:37 AM  
**To:** Rodriguez, Cesar Alberto NOG 5053; Ly, Nhi SOPT; Guzman, Roberto OTY 4791; Dailey, Paul SOPT; Gruslin, Marc SOPT 6521  
**Cc:** Harris, James SOPT 6529; Martinez, Lizbeth SOPT; Perez, Israel ELAG 1208; Dibene, Paul OTY2 4687; Garcia, Omar SOPT 6547; Iniguez, Efrain OTY 3810; Borquez, Jorge OTY 4398; Cooper, Jeff SOPT 6563; Vela, Xavier OTY 4377; Orozco, Tessa SOPT 6519; Ruiz, Amauri OTY 4374  
**Subject:** Part 177455  
**When:** viernes, 18 de octubre de 2024 09:00 a. m.-09:30 a. m. (UTC-07:00) Arizona.  
**Where:** Microsoft Teams Meeting

To have a quick review of the components, design, and next steps of this part number.

Regards

Cesar

---

## Microsoft Teams [Need help?](#)

### [Join the meeting now](#)

Meeting ID: 270 248 396 974

Passcode: eqn6AX

---

For organizers: [Meeting options](#)

---

**From:** Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>  
**Sent:** Wednesday, October 9, 2024 12:14 PM  
**To:** Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>; Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>  
**Cc:** Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Orozco, Tessa SOPT 6519 <[TOrozco@rainbird.com](mailto:TOrozco@rainbird.com)>; Harris, James SOPT 6529 <[JHarris@rainbird.com](mailto:JHarris@rainbird.com)>  
**Subject:** RE: Part 177455

Thanks, Cesar.

### Nhi Ly

Sales Operations | Landscape SBU  
520-741-6130

Rain Bird Corporation

---

**From:** Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>  
**Sent:** Wednesday, October 9, 2024 9:24 AM  
**To:** Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>; Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>  
**Cc:** Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Orozco, Tessa SOPT 6519 <[TOrozco@rainbird.com](mailto:TOrozco@rainbird.com)>; Harris, James SOPT 6529 <[JHarris@rainbird.com](mailto:JHarris@rainbird.com)>  
**Subject:** RE: Part 177455

@Ly, Nhi SOPT, I will wait until you have the parts to call for the meeting.

Regards

Cesar

---

**From:** Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>  
**Sent:** Monday, October 7, 2024 6:38 PM  
**To:** Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>; Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>  
**Cc:** Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>; Orozco, Tessa SOPT 6519 <[TOrozco@rainbird.com](mailto:TOrozco@rainbird.com)>; Harris, James SOPT 6529 <[JHarris@rainbird.com](mailto:JHarris@rainbird.com)>  
**Subject:** RE: Part 177455

+Tessa Orozco and James Harris

Good afternoon, team!

Today, I shipped:

-P/Ns X66039, X66030 and X66036, assembled in our production line and with current P/N 177455.  
-P/Ns X66039, X66030 and X66036, assembled in our production line and with new P/N 177455.  
-Loose current P/N 177455.  
-Loose new P/N 177455.  
-Loose components of P/Ns X66039, X66030 and X66036.

Attn: Nhi Ly

Please, try tightening and untightening FAN SPRAY BODY, MICRO SPRAY. Let us know your comments.

We also measured tightening torque:

X66039 with current P/N 177455

Cavity		Torque, in*lbf
P/N 177455	P/N 177447	
7	1	0.66
8	1	0.78
3	2	0.86
4	2	0.82
1	3	0.77

7	3	0.89
5	4	0.77
7	4	0.92
2	13	0.43
8	13	0.56
2	14	0.43
5	14	0.49

X66039 with new P/N 177455

Cavity		Torque, in*lbf
P/N 177455	P/N 177447	
4	1	1.95
6	1	1.74
1	2	1.86
2	2	2.14
5	3	2.22
7	3	2.66
3	4	1.68
8	4	1.32
3	13	0.75
7	13	0.57
4	14	0.81
8	14	1.28

X66030 with current P/N 177455

Cavity		Torque, in*lbf
P/N 177455	P/N 177446	
1	1	0.28
1	1	0.3
2	2	0.36
3	3	0.23
3	3	0.23
3	6	0.22
3	8	0.23
4	4	0.22
5	4	0.21
5	5	0.21
5	8	0.2
7	6	0.23
8	2	0.37
8	5	0.2
8	7	0.25
8	7	0.24

X66030 with new P/N 177455

Cavity	Torque, in*lbf
--------	----------------

P/N 177455	P/N 177446	
1	1	0.36
1	8	0.33
2	2	0.27
2	7	0.26
3	3	0.35
3	6	0.28
4	4	0.24
4	5	0.36
5	4	0.31
5	5	0.32
6	3	0.36
6	6	0.34
7	2	0.38
7	7	0.35
8	1	0.31
8	8	0.32

X66036 with current P/N 177455

Cavity		
P/N 177455	P/N 179183	Torque, in*lbf
1	2	0.42
1	3	0.39
1	8	0.34
1	8	0.36
2	2	0.43
2	5	0.47
3	1	0.42
3	1	0.43
3	7	0.37
4	6	0.52
7	3	0.46
7	5	0.46
7	6	0.45
7	7	0.54
8	4	0.56
8	4	0.53

X66036 with current P/N 177455

Cavity		
P/N 177455	P/N 179183	Torque, in*lbf
1	1	1.68
1	8	1.09
2	2	1.61
2	7	1.02
3	3	1.57

3	6	1.23
4	4	1.95
4	5	1.09
5	4	1.33
5	5	1.39
6	3	1.21
6	6	1.69
7	2	1.25
7	7	1.3
8	1	1.31
8	8	1.15

Please, review and comment.

Regards,

---

**Roberto Guzmán Vega**

Sr. Product Engineer

+52 (3) 333 644791

+1 (626) 4283010, X 4791

**Ensambles Hysom**

Av. Industrial 333

Sección Dorada Parque Industrial Otay

Tijuana, México, 22500

---

**From:** Guzman, Roberto OTY 4791

**Sent:** Monday, October 7, 2024 5:24 AM

**To:** Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>; Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>

**Cc:** Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>; Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>; Vela, Xavier OTY 4377 <[XVela@rainbird.com](mailto:XVela@rainbird.com)>

**Subject:** RE: Part 177455

+Xavier Vela

Good morning, team!

I am product engineer for Xeri Bubblers in Arimex.

Find attached stack up analysis of P/N 177455 and parts that it interacts with.

I am measuring torque of three different combinations to have data about assembly tightness

I also can ship you components for three different combinations so you can qualitatively address assembly tightness.

Regards,

---

**Roberto Guzmán Vega**

Sr. Product Engineer  
+52 (3) 333 644791  
+1 (626) 4283010, X 4791

**Ensambles Hyson**

Av. Industrial 333  
Sección Dorada Parque Industrial Otay  
Tijuana, México, 22500

---

**From:** Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>**Sent:** Sunday, October 6, 2024 10:32 PM**To:** Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>; Dailey, Paul SOPT <[PDailey@rainbird.com](mailto:PDailey@rainbird.com)>; Gruslin, Marc SOPT 6521 <[MGruslin@rainbird.com](mailto:MGruslin@rainbird.com)>**Cc:** Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>; Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>;**Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>****Subject:** RE: Part 177455

+ Paul Dailey and Marc Gruslin

Hi Cesar,

Thanks for sharing the situation. The product engineer (Xavier Vela or designate), quality and ops manager (Marc Gruslin and me) and product manager (Paul Dailey) will need to review this case.

Will you be scheduling a 30min call?

**Nhi Ly**

Sales Operations | Landscape SBU  
520-741-6130

**Rain Bird Corporation**

6991 East Southpoint Road  
Tucson, Arizona 85756  
[RainBird.com](http://RainBird.com)

---

**From:** Rodriguez, Cesar Alberto NOG 5053 <[CeRodriguez@rainbird.com](mailto:CeRodriguez@rainbird.com)>**Sent:** Sunday, October 6, 2024 9:03 PM**To:** Ly, Nhi SOPT <[nly@rainbird.com](mailto:nly@rainbird.com)>**Cc:** Dibene, Paul OTY2 4687 <[PDibene@RainBird.com](mailto:PDibene@RainBird.com)>; Perez, Israel ELAG 1208 <[isperez@rainbird.com](mailto:isperez@rainbird.com)>; Guzman, Roberto OTY 4791 <[roguzman@rainbird.com](mailto:roguzman@rainbird.com)>; Garcia, Omar SOPT 6547 <[OGarcia@rainbird.com](mailto:OGarcia@rainbird.com)>; Iniguez, Efrain OTY 3810 <[EIniguez@rainbird.com](mailto:EIniguez@rainbird.com)>;**Borquez, Jorge OTY 4398 <[jborquez@rainbird.com](mailto:jborquez@rainbird.com)>; Cooper, Jeff SOPT 6563 <[jcooper@rainbird.com](mailto:jcooper@rainbird.com)>****Subject:** Part 177455**Importance:** High

Nhi:

We have a situation with the part number 177455, and you need to be aware of this, we received the mold from China and it was in a bad condition, due to the condition Israel had to replaced everything inside the mold (all that forms the plastic part) and now we are in the final stage executing the validation in an external vendor.

Israel ran the QAP1000 and the part is not meeting the specifications in the thread area, as a result of this the assembly is feeling more "tighten", we still have 7 weeks of inventory and we are moving forward with the adjustments required to have this according to the specifications but as a plan B I want to explore the evaluation of the components in case that a deviation is required.

I need to mention that even having this component within the specification, the design of the parts will generate interference with the counterpart having this "tightness," if you compare it with the old parts that are out of specifications (reason for the refurbish) you will feel the difference.

Who could be the right person to review this case? We want to ship some components to evaluate the parts, the SKU involved that use this part are the following:

Item SBU  
C06310L CP  
X66030 LND  
X66036 LND  
X66039 LND

Attached you will find the last deviation and the part drawing, please let me know if you have any questions, I will appreciate your comments.

Regards

**Cesar Rodriguez**  
Engineering Manager  
(520) 295-5053 (US)  
(631) 311 5053 (MX)  
[cerodriguez@rainbird.com](mailto:cerodriguez@rainbird.com)