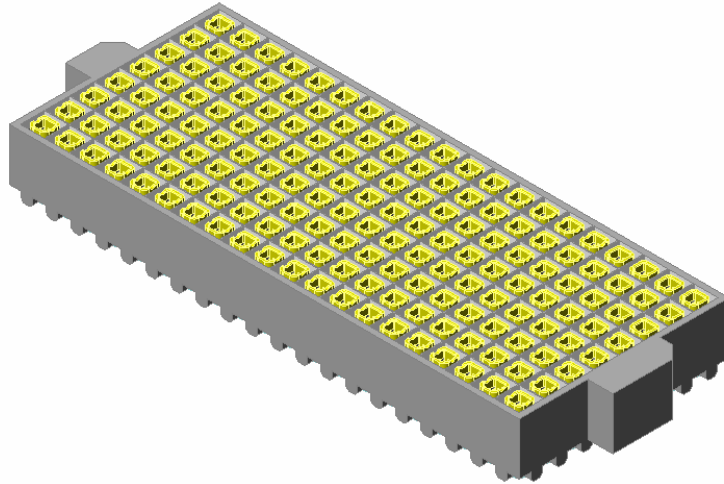




Project Number:		Tracking Code: TC0642--1188	
Requested by: Greg Brown		Date: 10/19/2006	Product Rev: F
Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB		Lot #: 1	Tech: Troy Cook / Tony Wagoner
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB			Qty to test: 10
Test Start: 11/15/06		Test Completed: 12/19/2006	



YFS/YFT CONTACT

STD VS LIF Contact Comparison

YFS-50-03-G-10-SB (Standard) Compared to YFS-50-L3-G-10-SB (Lite)

YFS-20-03-G-10-SB (Standard) Compared to YFS-20-L3-G-10-SB (Lite)

Mated with YFT-50-05-G-10-SB & YFT-20-05-G-08-SB

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

CERTIFICATION

All instruments and measuring equipment were calibrated to National Institute for Standards and Technology (NIST) traceable standards according to ISO 10012-1 and ANSI/NCSL 2540-1, as applicable.

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SCOPE

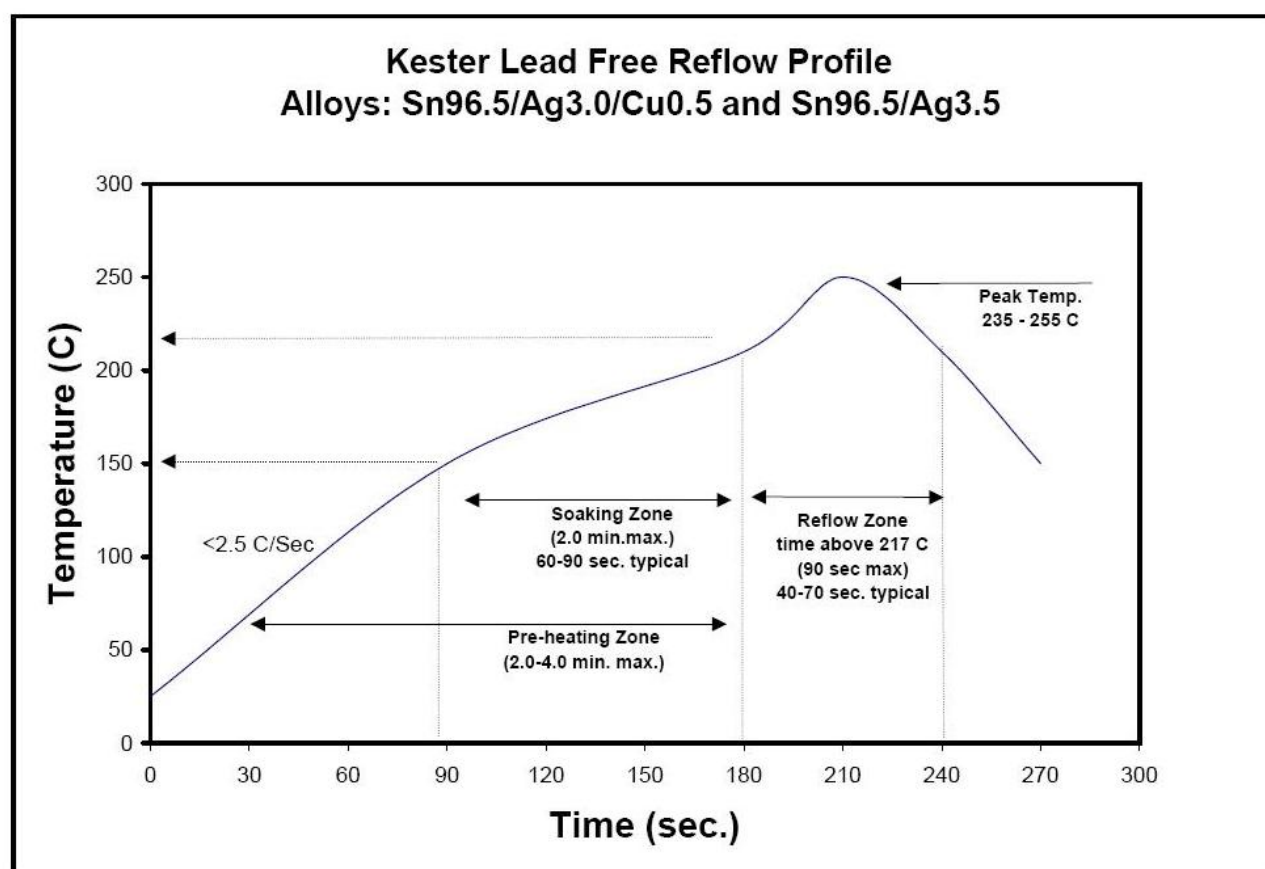
To perform the following tests: Inspect and record initial contact gaps then test mating and unmating to 100 cycles on the three samples Big CG, Small CG, and standard CG. Send for data review then commence in DVT testing per the emailed FC

APPLICABLE DOCUMENTS

Standards: EIA Publication 364

TEST SAMPLES AND PREPARATION

- 1) All materials were manufactured in accordance with the applicable product specification.
- 2) All test samples were identified and encoded to maintain traceability throughout the test sequences.
- 3) After soldering, the parts to be used for LLCR and DWV/IR testing were cleaned according to TLWI-0001.
- 4) Either an automated cleaning procedure or an ultrasonic cleaning procedure may be used.
- 5) The automated procedure is used with aqueous compatible soldering materials.
- 6) Parts not intended for testing LLCR and DWV/IR are visually inspected and cleaned if necessary.
- 7) Any additional preparation will be noted in the individual test sequences.
- 8) Solder Information: Lead Free
- 9) Re-Flow Time/Temp: See accompanying profile.
- 10) Internal Test PCBs used: PCB-100306-TST-XX
- 11) PCB-0371

OVEN PROFILE (Soldering Parts to Test Boards)

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

FLOWCHARTS

Mating/Unmating/Contact Gaps

TEST STEP	GROUP A 10 Boards 100 Cycles
01	Contact Gaps
02	Mating / Unmating
03	Data Review
04	100 Cycles
05	Mating / Unmating
06	Contact Gaps
07	Data Review
08	Thermal Aging (Mated)
09	Mating / Unmating
10	Contact Gaps
11	Data Review
12	Humidity (Mated)
13	Mating / Unmating
14	Contact Gaps

50 x 10
YFS-50-L3-G-10-SB YFT-50-05-G-10-SB
- <i>YFS Style -L3 (Lite)</i>
- <i>YFS Style -03(Standard)</i>

20 x 8
YFS-20-L3-G-10-SB YFT-20-05-G-10-SB
- <i>YFS Style -L3 (Lite)</i>
- <i>YFS Style -03(Standard)</i>

Thermal Aging = EIA-364-17, Test Condition 4, 105 deg C;

Time Condition 'B' (250 hours)

Humidity =EIA-364-31, Test Condition 'B' (240 Hours)

and Method III (+25 ° C to +65 ° C @ 90%RH to 98% RH)

ambient pre-condition and delete steps 7a and 7b

Mating/Un-Mating Forces = EIA-364-13

Contact Gaps/Height - No standard method. Usually measured optically

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

ATTRIBUTE DEFINITIONS

The following is a brief, simplified description of attributes.

THERMAL:

- 1) EIA-364-17, *Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors*.
- 2) Test Condition 4 at 105° C.
- 3) Test Time Condition B for 250 hours.
- 4) Connectors are sometimes mated and all samples are pre-conditioned at ambient.

HUMIDITY:

- 1) Reference document: EIA-364-31, *Humidity Test Procedure for Electrical Connectors*.
- 2) Test Condition B, 240 Hours.
- 3) Method III, +25° C to + 65° C, 90% to 98% Relative Humidity excluding sub-cycles 7a and 7b.
- 4) Connectors are sometimes mated and all samples are pre-conditioned at ambient.

CONTACT GAP:

- 1) Contact gaps were measured before and after stressing the contacts (e.g. thermal aging, mechanical cycling, etc.).
- 2) Typically, all contacts on the connector are measured.

MATING/UNMATING:

- 1) Reference document: EIA-364-13, *Mating and Unmating Forces Test Procedure for Electrical Connectors*.
- 2) The full insertion position was to within 0.003" to 0.004" of the plug bottoming out in the receptacle to prevent damage to the system under test.
- 3) One of the mating parts is secured to a floating X-Y table to prevent damage during cycling.

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

RESULTS

	<u>YFS-50-L3-G-10-SB</u>	<u>YFS-50-03-G-10-SB</u>
Contact Gaps - 50 x 10		
• Initial		
o Min. ("X" direction) -----	.0127"	.0114"
o Min. ("Y" direction) -----	.0139"	.0125"
o Max. ("X" direction) -----	.0143"	.0128"
o Max. ("Y" direction) -----	.0150"	.0138"
• After 100 Cycles		
o Min. ("X" direction) -----	.0128"	.0116"
o Min. ("Y" direction) -----	.0140"	.0127"
o Max. ("X" direction) -----	.0142"	.0134"
o Max. ("Y" direction) -----	.0151"	.0138"
• Thermal		
o Min. ("X" direction) -----	.0139"	.0128"
o Min. ("Y" direction) -----	.0132"	.0122"
o Max. ("X" direction) -----	.0151"	.0143"
o Max. ("Y" direction) -----	.0150"	.0144"
• Humidity		
o Min. ("X" direction) -----	.0134"	.0125"
o Min. ("Y" direction) -----	.0130"	.0117"
o Max. ("X" direction) -----	.0157"	.0144"
o Max. ("Y" direction) -----	.0152"	.0139"
Contact Gaps - 20 x 8		
	<u>YFS-20-L3-G-10-SB</u>	<u>YFS-20-03-G-10-SB</u>
• Initial		
o Min. ("X" direction) -----	.0129"	.0122"
o Min. ("Y" direction) -----	.0135"	.0125"
o Max. ("X" direction) -----	.0143"	.0132"
o Max. ("Y" direction) -----	.0144"	.0138"
• After 100 Cycles		
o Min. ("X" direction) -----	.0127"	.0121"
o Min. ("Y" direction) -----	.0139"	.0125"
o Max. ("X" direction) -----	.0155"	.0134"
o Max. ("Y" direction) -----	.0147"	.0138"
• Thermal		
o Min. ("X" direction) -----	.N/A	.0128"
o Min. ("Y" direction) -----	.N/A	.0127"
o Max. ("X" direction) -----	.N/A	.0141"
o Max. ("Y" direction) -----	.N/A	.0142"
• Humidity		
o Min. ("X" direction) -----	.0136"	.0128"
o Min. ("Y" direction) -----	.0130"	.0122"
o Max. ("X" direction) -----	.0149"	.0143"
o Max. ("Y" direction) -----	.0157"	.0139"

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

RESULTS (continued)

	<u>YFS-50-L3-G-10-SB</u>	<u>YFS-50-03-G-10-SB</u>	<u>% Reduction</u>
MATING-UNMATING FORCES - 50 x 10			
Mating – Unmating Forces			
• Initial			
o Mating			
▪ Min -----	36.7 Lbs	61.2 Lbs.	40.03%
▪ Max -----	44.2 Lbs	77.7 Lbs.	43.1%
o Unmating			
▪ Min -----	28.6 Lbs.	32.2 Lbs.	11.2%
▪ Max -----	38.2 Lbs.	51.4 Lbs.	25.7%
• After 100 Cycles			
o Mating			
▪ Min -----	63.5 Lbs.	100.5 Lbs.	36.8%
▪ Max -----	80.4 Lbs.	125.1 Lbs.	35.7%
o Unmating			
▪ Min -----	56.0 Lbs.	85.3 Lbs.	34.3%
▪ Max -----	76.5 Lbs.	110.4 Lbs.	30.7%
• Thermal			
o Mating			
▪ Min -----	26.9 Lbs.	43.3 Lbs.	37.9%
▪ Max -----	30.0 Lbs.	47.6 Lbs.	37.0%
o Unmating			
▪ Min -----	24.7 Lbs.	39.2 Lbs.	37.0%
▪ Max -----	28.4 Lbs.	43.3 Lbs.	34.4%
• Humidity			
o Mating			
▪ Min -----	27.7 Lbs.	45.6 Lbs.	39.3%
▪ Max -----	31.5 Lbs.	51.3 Lbs.	38.6%
o Unmating			
▪ Min -----	25.3 Lbs.	36.0 Lbs.	29.7%
▪ Max -----	28.9 Lbs.	43.5 Lbs.	33.6%

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

RESULTS (continued)

	<u>YFS-20-L3-G-10-SB</u>	<u>YFS-20-03-G-10-SB</u>	<u>% Reduction</u>
MATING-UNMATING FORCES - 20 x 8			
Mating – Unmating Forces			
• Initial			
o Mating			
▪ Min -----	12.9 Lbs	26.3 Lbs.	51.0%
▪ Max -----	17.7 Lbs.	31.3 Lbs.	43.5%
o Unmating			
▪ Min -----	11.8 Lbs.	16.9 Lbs.	30.2%
▪ Max -----	16.3 Lbs.	23.8 Lbs.	31.5%
• After 100 Cycles			
o Mating			
▪ Min -----	21.7 Lbs.	37.1 Lbs.	41.5%
▪ Max -----	30.8 Lbs.	47.5 Lbs.	35.2%
o Unmating			
▪ Min -----	19.0 Lbs.	29.7 Lbs.	36.0%
▪ Max -----	27.7 Lbs.	41.8 Lbs.	33.7%
• Thermal			
o Mating			
▪ Min -----	7.2 Lbs.	12.8 Lbs.	43.8%
▪ Max -----	12.6 Lbs.	14.8 Lbs.	14.9%
o Unmating			
▪ Min -----	5.1 Lbs.	11.2 Lbs.	54.5%
▪ Max -----	8.7 Lbs.	13.1 Lbs.	33.6%
• Humidity			
o Mating			
▪ Min -----	8.8 Lbs.	13.2 Lbs.	33.3%
▪ Max -----	11.6 Lbs.	15.1 Lbs.	23.2%
o Unmating			
▪ Min -----	8.1 Lbs.	8.3 Lbs.	2.4%
▪ Max -----	9.4 Lbs.	11.7 Lbs.	19.7%

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

DATA SUMMARIES

CONTACT GAPS – 50 x 10

YFS-50-L3-G-10-SB Gap Results

	"X" Direction				"Y" Direction			
Measurement	Initial	After 100 Cycles	After Thermals	After Humidity	Initial	After 100 Cycles	After Thermals	After Humidity
<i>Minimum</i>	0.0127	0.0128	0.0139	0.0134	0.0139	0.0140	0.0132	0.0130
<i>Maximum</i>	0.0143	0.0142	0.0151	0.0157	0.0150	0.0151	0.0150	0.0152
<i>Average</i>	0.0134	0.0135	0.0144	0.0144	0.0145	0.0145	0.0139	0.0140
<i>St. Dev.</i>	0.0003	0.0003	0.0002	0.0003	0.0002	0.0002	0.0003	0.0004
<i>Count</i>	500	500	500	500	500	500	500	500

YFS-50-03-G-10-SB Gap Results

	"X" Direction				"Y" Direction			
Measurement	Initial	After 100 Cycles	After Thermals	After Humidity	Initial	After 100 Cycles	After Thermals	After Humidity
<i>Minimum</i>	0.0114	0.0116	0.0128	0.0125	0.0125	0.0127	0.0122	0.0117
<i>Maximum</i>	0.0128	0.0134	0.0143	0.0144	0.0138	0.0138	0.0144	0.0139
<i>Average</i>	0.0119	0.0123	0.0136	0.0136	0.0131	0.0132	0.0129	0.0130
<i>St. Dev.</i>	0.0002	0.0002	0.0002	0.0003	0.0001	0.0002	0.0002	0.0003
<i>Count</i>	500	500	500	500	500	500	500	500

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

DATA SUMMARIES Continued

CONTACT GAPS – 20 x 8

YFS-20-L3-G-10-SB Gap Results

	"X" Direction				"Y" Direction			
Measurement in inches	Initial	After 100 Cycles	After Thermals	After Humidity	Initial	After 100 Cycles	After Thermals	After Humidity
Minimum	0.0129	0.0127	N/A	0.0136	0.0135	0.0139	N/A	0.0130
Maximum	0.0143	0.0155	N/A	0.0149	0.0144	0.0147	N/A	0.0157
Average	0.0135	0.0135	N/A	0.0144	0.0140	0.0143	N/A	0.0139
St. Dev.	0.0003	0.0003	N/A	0.0002	0.0002	0.0002	N/A	0.0004
Count	200	200	N/A	200	200	200	N/A	200

YFS-20-03-G-10-SB Gap Results

	"X" Direction				"Y" Direction			
Measurement in inches	Initial	After 100 Cycles	After Thermals	After Humidity	Initial	After 100 Cycles	After Thermals	After Humidity
Minimum	0.0116	0.0121	0.0128	0.0128	0.0122	0.0125	0.0127	0.0122
Maximum	0.0126	0.0134	0.0141	0.0143	0.0132	0.0138	0.0142	0.0139
Average	0.0122	0.0126	0.0136	0.0134	0.0127	0.0131	0.0131	0.0130
St. Dev.	0.0001	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002
Count	200	200	200	200	200	200	200	200

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

DATA SUMMARIES Continued

MATING/UNMATING - 50 x 10

YFS-50-L3-G-10-SB Mating/Unmating Results

	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	587.4	36.71	457.0	28.56	1016.3	63.52	896.6	56.04
Maximum	707.7	44.2	611.0	38.2	1285.8	80.4	1224.6	76.5
Average	663.8	41.5	558.3	34.9	1157.6	72.4	1054.4	65.9
	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	429.8	26.9	394.9	24.7	443.0	27.7	405.3	25.3
Maximum	480.0	30.0	454.9	28.4	504.6	31.5	461.9	28.9
Average	446.8	27.9	418.4	26.2	462.7	28.9	431.9	27.0

YFS-50-03-G-10-SB Mating/Unmating Results

	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	978.6	61.16	515.4	32.21	1607.8	100.49	1365.0	85.31
Maximum	1243.0	77.7	821.6	51.4	2001.6	125.1	1766.4	110.4
Average	1080.9	67.6	707.4	44.2	1805.8	112.9	1579.5	98.7
	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	693.4	43.3	626.7	39.2	729.9	45.6	576.0	36.0
Maximum	761.4	47.6	693.4	43.3	820.5	51.3	695.7	43.5
Average	724.0	45.3	647.6	40.5	766.2	47.9	662.0	41.4

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

DATA SUMMARIES Continued

MATING/UNMATING - 20 x 8

YFS-20-L3-G-10-SB Mating/Unmating Results

	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	205.9	12.87	189.3	11.83	346.4	21.65	304.6	19.04
Maximum	283.2	17.7	261.3	16.3	492.5	30.8	443.7	27.7
Average	246.4	15.4	226.9	14.2	424.8	26.5	376.8	23.6
	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	115.0	7.2	82.1	5.1	140.6	8.8	129.8	8.1
Maximum	202.2	12.6	138.6	8.7	186.2	11.6	150.7	9.4
Average	156.4	9.8	119.7	7.5	160.5	10.0	142.0	8.9

YFS-20-03-G-10-SB Mating/Unmating Results

	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	421.1	26.32	270.6	16.91	593.1	37.07	474.4	29.65
Maximum	501.0	31.3	380.0	23.8	760.3	47.5	669.1	41.8
Average	460.0	28.7	326.0	20.4	690.5	43.2	552.7	34.5
	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
Minimum	204.0	12.8	179.4	11.2	211.4	13.2	132.0	8.3
Maximum	237.4	14.8	209.8	13.1	240.8	15.1	187.4	11.7
Average	223.7	14.0	197.9	12.4	230.4	14.4	164.9	10.3

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

DATA

CONTACT GAP - 50 x 10 (YFS-50-L3-G-10-SB)

Initial										
Measurements in inches		"X" Direction								
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0137	0.0135	0.0134	0.0134	0.0139	0.0135	0.0140	0.0131	0.0138	0.0132
2	0.0139	0.0135	0.0137	0.0130	0.0138	0.0133	0.0139	0.0133	0.0136	0.0135
3	0.0134	0.0140	0.0137	0.0139	0.0132	0.0137	0.0135	0.0138	0.0135	0.0138
4	0.0133	0.0139	0.0131	0.0135	0.0133	0.0137	0.0132	0.0139	0.0131	0.0139
5	0.0135	0.0135	0.0132	0.0130	0.0137	0.0136	0.0139	0.0132	0.0135	0.0132
6	0.0139	0.0134	0.0137	0.0131	0.0137	0.0132	0.0135	0.0132	0.0135	0.0134
7	0.0133	0.0138	0.0132	0.0139	0.0133	0.0142	0.0135	0.0138	0.0135	0.0138
8	0.0131	0.0139	0.0133	0.0135	0.0131	0.0140	0.0130	0.0136	0.0130	0.0136
9	0.0137	0.0135	0.0131	0.0131	0.0136	0.0135	0.0139	0.0133	0.0140	0.0130
10	0.0133	0.0136	0.0136	0.0130	0.0139	0.0132	0.0137	0.0132	0.0132	0.0131
11	0.0133	0.0139	0.0135	0.0135	0.0131	0.0139	0.0134	0.0138	0.0135	0.0136
12	0.0133	0.0139	0.0133	0.0137	0.0133	0.0140	0.0130	0.0138	0.0130	0.0135
13	0.0137	0.0132	0.0132	0.0131	0.0137	0.0133	0.0140	0.0132	0.0137	0.0130
14	0.0139	0.0134	0.0138	0.0131	0.0140	0.0136	0.0135	0.0132	0.0131	0.0131
15	0.0128	0.0141	0.0137	0.0136	0.0131	0.0138	0.0133	0.0139	0.0131	0.0136
16	0.0133	0.0139	0.0131	0.0135	0.0136	0.0139	0.0132	0.0139	0.0131	0.0135
17	0.0138	0.0135	0.0137	0.0131	0.0136	0.0133	0.0139	0.0133	0.0138	0.0129
18	0.0139	0.0135	0.0135	0.0132	0.0136	0.0131	0.0138	0.0135	0.0137	0.0133
19	0.0132	0.0139	0.0137	0.0131	0.0131	0.0135	0.0134	0.0138	0.0131	0.0131
20	0.0135	0.0143	0.0131	0.0136	0.0135	0.0141	0.0140	0.0135	0.0131	0.0137
21	0.0135	0.0135	0.0132	0.0130	0.0138	0.0135	0.0137	0.0133	0.0138	0.0131
22	0.0142	0.0136	0.0137	0.0131	0.0135	0.0132	0.0132	0.0134	0.0135	0.0131
23	0.0132	0.0139	0.0131	0.0136	0.0131	0.0139	0.0132	0.0139	0.0134	0.0134
24	0.0135	0.0142	0.0131	0.0138	0.0131	0.0138	0.0136	0.0141	0.0132	0.0137
25	0.0139	0.0133	0.0132	0.0133	0.0138	0.0134	0.0135	0.0133	0.0135	0.0131
26	0.0139	0.0135	0.0139	0.0132	0.0139	0.0131	0.0131	0.0133	0.0135	0.0135
27	0.0131	0.0140	0.0135	0.0134	0.0133	0.0138	0.0131	0.0138	0.0133	0.0137
28	0.0131	0.0142	0.0131	0.0135	0.0133	0.0138	0.0137	0.0139	0.0130	0.0129
29	0.0136	0.0133	0.0131	0.0131	0.0139	0.0131	0.0140	0.0131	0.0135	0.0130
30	0.0138	0.0135	0.0135	0.0130	0.0138	0.0132	0.0132	0.0131	0.0130	0.0131
31	0.0133	0.0140	0.0136	0.0135	0.0133	0.0138	0.0130	0.0136	0.0128	0.0139
32	0.0132	0.0142	0.0131	0.0136	0.0134	0.0137	0.0139	0.0139	0.0128	0.0135
33	0.0135	0.0132	0.0131	0.0130	0.0137	0.0131	0.0136	0.0130	0.0137	0.0130
34	0.0138	0.0135	0.0132	0.0129	0.0139	0.0132	0.0131	0.0132	0.0133	0.0133
35	0.0135	0.0134	0.0134	0.0137	0.0129	0.0138	0.0129	0.0135	0.0131	0.0132
36	0.0133	0.0139	0.0131	0.0135	0.0128	0.0135	0.0135	0.0135	0.0128	0.0135
37	0.0139	0.0134	0.0131	0.0132	0.0135	0.0132	0.0133	0.0131	0.0133	0.0128
38	0.0139	0.0135	0.0135	0.0128	0.0138	0.0132	0.0130	0.0131	0.0134	0.0131
39	0.0136	0.0140	0.0134	0.0137	0.0133	0.0135	0.0131	0.0135	0.0132	0.0131
40	0.0130	0.0141	0.0130	0.0136	0.0131	0.0133	0.0135	0.0135	0.0128	0.0136
41	0.0138	0.0134	0.0130	0.0131	0.0138	0.0132	0.0139	0.0131	0.0135	0.0131
42	0.0139	0.0134	0.0136	0.0128	0.0138	0.0131	0.0131	0.0130	0.0133	0.0130
43	0.0134	0.0140	0.0133	0.0138	0.0129	0.0135	0.0131	0.0136	0.0130	0.0131

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

44	0.0131	0.0139	0.0131	0.0138	0.0131	0.0131	0.0136	0.0135	0.0128	0.0136
45	0.0138	0.0133	0.0130	0.0131	0.0135	0.0132	0.0137	0.0131	0.0135	0.0131
46	0.0137	0.0135	0.0135	0.0131	0.0136	0.0130	0.0131	0.0129	0.0130	0.0130
47	0.0131	0.0138	0.0134	0.0136	0.0130	0.0137	0.0132	0.0136	0.0130	0.0132
48	0.0132	0.0139	0.0132	0.0136	0.0131	0.0135	0.0137	0.0137	0.0127	0.0132
49	0.0139	0.0135	0.0131	0.0128	0.0136	0.0132	0.0133	0.0132	0.0137	0.0128
50	0.0136	0.0135	0.0135	0.0132	0.0137	0.0132	0.0139	0.0133	0.0130	0.0130
After 100 Cycles										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0136	0.0136	0.0135	0.0133	0.0136	0.0135	0.0139	0.0141	0.0139	0.0136
2	0.0139	0.0135	0.0136	0.0131	0.0137	0.0135	0.0141	0.0133	0.0138	0.0133
3	0.0133	0.0141	0.0137	0.0136	0.0131	0.0140	0.0133	0.0133	0.0137	0.0140
4	0.0135	0.0138	0.0134	0.0138	0.0133	0.0139	0.0135	0.0141	0.0133	0.0139
5	0.0136	0.0135	0.0133	0.0130	0.0138	0.0135	0.0141	0.0138	0.0139	0.0131
6	0.0139	0.0132	0.0135	0.0131	0.0136	0.0134	0.0139	0.0133	0.0136	0.0134
7	0.0131	0.0138	0.0133	0.0139	0.0133	0.0142	0.0135	0.0133	0.0136	0.0140
8	0.0133	0.0139	0.0131	0.0135	0.0133	0.0137	0.0131	0.0139	0.0137	0.0140
9	0.0136	0.0136	0.0131	0.0132	0.0136	0.0137	0.0140	0.0135	0.0139	0.0131
10	0.0135	0.0133	0.0136	0.0131	0.0136	0.0135	0.0136	0.0135	0.0134	0.0134
11	0.0132	0.0139	0.0137	0.0137	0.0132	0.0140	0.0132	0.0132	0.0134	0.0136
12	0.0135	0.0139	0.0132	0.0137	0.0132	0.0140	0.0131	0.0138	0.0130	0.0131
13	0.0136	0.0133	0.0133	0.0132	0.0139	0.0135	0.0142	0.0138	0.0139	0.0131
14	0.0138	0.0134	0.0135	0.0130	0.0140	0.0135	0.0136	0.0132	0.0132	0.0131
15	0.0132	0.0142	0.0139	0.0138	0.0134	0.0142	0.0131	0.0134	0.0133	0.0138
16	0.0133	0.0140	0.0132	0.0137	0.0136	0.0139	0.0133	0.0139	0.0131	0.0137
17	0.0139	0.0135	0.0132	0.0134	0.0139	0.0135	0.0139	0.0138	0.0138	0.0131
18	0.0140	0.0137	0.0138	0.0134	0.0137	0.0133	0.0139	0.0132	0.0138	0.0134
19	0.0135	0.0140	0.0139	0.0135	0.0132	0.0137	0.0132	0.0133	0.0135	0.0132
20	0.0135	0.0141	0.0131	0.0132	0.0135	0.0139	0.0133	0.0136	0.0133	0.0139
21	0.0140	0.0135	0.0134	0.0134	0.0139	0.0136	0.0140	0.0139	0.0140	0.0133
22	0.0142	0.0136	0.0136	0.0137	0.0135	0.0135	0.0137	0.0131	0.0135	0.0133
23	0.0132	0.0139	0.0132	0.0136	0.0131	0.0141	0.0134	0.0134	0.0134	0.0137
24	0.0136	0.0142	0.0131	0.0132	0.0133	0.0140	0.0133	0.0138	0.0133	0.0141
25	0.0140	0.0135	0.0132	0.0131	0.0137	0.0136	0.0139	0.0139	0.0139	0.0132
26	0.0139	0.0136	0.0135	0.0136	0.0139	0.0133	0.0138	0.0132	0.0139	0.0135
27	0.0132	0.0139	0.0136	0.0139	0.0132	0.0140	0.0136	0.0132	0.0136	0.0139
28	0.0135	0.0138	0.0131	0.0132	0.0132	0.0138	0.0133	0.0136	0.0131	0.0132
29	0.0138	0.0136	0.0132	0.0130	0.0138	0.0135	0.0137	0.0137	0.0136	0.0131
30	0.0139	0.0135	0.0135	0.0139	0.0137	0.0132	0.0139	0.0133	0.0134	0.0131
31	0.0134	0.0141	0.0137	0.0135	0.0132	0.0139	0.0134	0.0134	0.0134	0.0139
32	0.0134	0.0141	0.0130	0.0131	0.0134	0.0137	0.0134	0.0137	0.0132	0.0139
33	0.0135	0.0132	0.0133	0.0130	0.0139	0.0131	0.0139	0.0139	0.0137	0.0131
34	0.0136	0.0135	0.0132	0.0136	0.0138	0.0133	0.0138	0.0132	0.0136	0.0133
35	0.0132	0.0135	0.0135	0.0136	0.0131	0.0138	0.0131	0.0130	0.0135	0.0135
36	0.0131	0.0139	0.0132	0.0132	0.0131	0.0135	0.0131	0.0136	0.0128	0.0135
37	0.0141	0.0134	0.0133	0.0131	0.0139	0.0132	0.0137	0.0137	0.0135	0.0131
38	0.0139	0.0134	0.0133	0.0139	0.0135	0.0133	0.0133	0.0135	0.0136	0.0131
39	0.0134	0.0142	0.0135	0.0137	0.0133	0.0135	0.0131	0.0134	0.0134	0.0134
40	0.0132	0.0139	0.0132	0.0133	0.0131	0.0133	0.0132	0.0135	0.0132	0.0138
41	0.0138	0.0134	0.0131	0.0130	0.0137	0.0133	0.0134	0.0139	0.0137	0.0132
42	0.0138	0.0135	0.0139	0.0139	0.0136	0.0135	0.0139	0.0139	0.0135	0.0130
43	0.0133	0.0139	0.0135	0.0138	0.0131	0.0132	0.0131	0.0132	0.0132	0.0135
44	0.0132	0.0139	0.0132	0.0132	0.0131	0.0132	0.0133	0.0135	0.0131	0.0138
45	0.0137	0.0135	0.0132	0.0132	0.0135	0.0132	0.0139	0.0131	0.0135	0.0131
46	0.0139	0.0133	0.0135	0.0137	0.0136	0.0139	0.0138	0.0138	0.0133	0.0131

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

47	0.0131	0.0138	0.0135	0.0137	0.0131	0.0134	0.0132	0.0138	0.0131	0.0133
48	0.0133	0.0141	0.0131	0.0137	0.0131	0.0135	0.0132	0.0133	0.0128	0.0135
49	0.0141	0.0135	0.0131	0.0131	0.0138	0.0135	0.0136	0.0131	0.0140	0.0130
50	0.0135	0.0134	0.0135	0.0132	0.0137	0.0133	0.0142	0.0137	0.0132	0.0131
After Thermals										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0145	0.0143	0.0146	0.0142	0.0143	0.0142	0.0141	0.0139	0.0147	0.0151
2	0.0149	0.0145	0.0145	0.0143	0.0146	0.0141	0.0147	0.0142	0.0146	0.0147
3	0.0144	0.0145	0.0144	0.0142	0.0145	0.0143	0.0145	0.0143	0.0145	0.0150
4	0.0146	0.0150	0.0143	0.0143	0.0141	0.0144	0.0140	0.0142	0.0147	0.0145
5	0.0145	0.0145	0.0145	0.0143	0.0147	0.0143	0.0143	0.0144	0.0147	0.0145
6	0.0149	0.0146	0.0143	0.0144	0.0146	0.0145	0.0149	0.0144	0.0149	0.0144
7	0.0144	0.0144	0.0143	0.0146	0.0144	0.0146	0.0143	0.0142	0.0143	0.0143
8	0.0143	0.0147	0.0142	0.0141	0.0143	0.0144	0.0143	0.0141	0.0146	0.0145
9	0.0145	0.0143	0.0143	0.0143	0.0144	0.0143	0.0147	0.0141	0.0147	0.0144
10	0.0146	0.0143	0.0146	0.0143	0.0145	0.0145	0.0145	0.0142	0.0148	0.0147
11	0.0143	0.0142	0.0146	0.0143	0.0143	0.0143	0.0143	0.0144	0.0141	0.0143
12	0.0144	0.0146	0.0147	0.0143	0.0144	0.0145	0.0146	0.0143	0.0144	0.0147
13	0.0145	0.0143	0.0143	0.0146	0.0143	0.0145	0.0146	0.0146	0.0146	0.0146
14	0.0144	0.0144	0.0147	0.0144	0.0143	0.0144	0.0144	0.0143	0.0148	0.0143
15	0.0142	0.0146	0.0143	0.0143	0.0144	0.0144	0.0146	0.0145	0.0146	0.0144
16	0.0145	0.0145	0.0147	0.0146	0.0147	0.0142	0.0147	0.0144	0.0147	0.0145
17	0.0146	0.0143	0.0145	0.0147	0.0143	0.0141	0.0147	0.0147	0.0148	0.0140
18	0.0146	0.0142	0.0146	0.0143	0.0143	0.0143	0.0144	0.0140	0.0144	0.0147
19	0.0143	0.0144	0.0143	0.0145	0.0145	0.0147	0.0146	0.0141	0.0147	0.0142
20	0.0146	0.0146	0.0143	0.0142	0.0143	0.0140	0.0146	0.0139	0.0145	0.0146
21	0.0147	0.0142	0.0144	0.0144	0.0142	0.0143	0.0147	0.0144	0.0147	0.0140
22	0.0145	0.0143	0.0146	0.0143	0.0145	0.0143	0.0145	0.0143	0.0143	0.0143
23	0.0145	0.0141	0.0143	0.0144	0.0144	0.0144	0.0144	0.0144	0.0148	0.0148
24	0.0144	0.0145	0.0145	0.0143	0.0147	0.0143	0.0145	0.0147	0.0146	0.0148
25	0.0143	0.0142	0.0147	0.0143	0.0145	0.0144	0.0145	0.0143	0.0150	0.0147
26	0.0148	0.0146	0.0143	0.0144	0.0146	0.0143	0.0146	0.0145	0.0144	0.0145
27	0.0146	0.0143	0.0141	0.0143	0.0143	0.0143	0.0145	0.0143	0.0146	0.0148
28	0.0143	0.0146	0.0148	0.0143	0.0143	0.0143	0.0145	0.0148	0.0146	0.0147
29	0.0143	0.0145	0.0143	0.0143	0.0146	0.0144	0.0143	0.0146	0.0150	0.0148
30	0.0147	0.0145	0.0145	0.0142	0.0147	0.0142	0.0143	0.0143	0.0145	0.0147
31	0.0142	0.0146	0.0142	0.0143	0.0144	0.0144	0.0142	0.0141	0.0147	0.0147
32	0.0143	0.0146	0.0145	0.0144	0.0144	0.0142	0.0143	0.0144	0.0142	0.0147
33	0.0145	0.0143	0.0142	0.0143	0.0139	0.0143	0.0146	0.0144	0.0150	0.0147
34	0.0143	0.0143	0.0144	0.0142	0.0147	0.0143	0.0147	0.0145	0.0143	0.0147
35	0.0143	0.0144	0.0145	0.0146	0.0145	0.0145	0.0143	0.0144	0.0144	0.0145
36	0.0147	0.0144	0.0144	0.0145	0.0148	0.0143	0.0145	0.0145	0.0148	0.0145
37	0.0143	0.0145	0.0142	0.0144	0.0144	0.0142	0.0146	0.0143	0.0147	0.0146
38	0.0145	0.0146	0.0144	0.0144	0.0146	0.0143	0.0143	0.0144	0.0147	0.0146
39	0.0143	0.0144	0.0145	0.0146	0.0143	0.0142	0.0144	0.0147	0.0151	0.0144
40	0.0143	0.0145	0.0143	0.0148	0.0146	0.0143	0.0143	0.0147	0.0144	0.0144
41	0.0145	0.0143	0.0142	0.0144	0.0141	0.0143	0.0143	0.0141	0.0147	0.0143
42	0.0143	0.0144	0.0147	0.0145	0.0146	0.0141	0.0145	0.0145	0.0143	0.0145
43	0.0146	0.0143	0.0145	0.0147	0.0143	0.0147	0.0143	0.0143	0.0144	0.0149
44	0.0143	0.0146	0.0147	0.0147	0.0143	0.0144	0.0147	0.0142	0.0143	0.0147
45	0.0143	0.0143	0.0147	0.0146	0.0145	0.0145	0.0144	0.0145	0.0148	0.0143

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

46	0.0143	0.0145	0.0146	0.0143	0.0144	0.0142	0.0146	0.0142	0.0143	0.0146
47	0.0145	0.0145	0.0147	0.0143	0.0143	0.0146	0.0143	0.0144	0.0143	0.0146
48	0.0143	0.0146	0.0146	0.0144	0.0142	0.0140	0.0146	0.0144	0.0143	0.0144
49	0.0142	0.0143	0.0142	0.0145	0.0145	0.0143	0.0144	0.0143	0.0148	0.0140
50	0.0143	0.0144	0.0144	0.0143	0.0146	0.0144	0.0144	0.0144	0.0147	0.0145
After Humidity										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0145	0.0146	0.0143	0.0143	0.0143	0.0143	0.0146	0.0143	0.0147	0.0149
2	0.0147	0.0145	0.0143	0.0139	0.0143	0.0143	0.0143	0.0139	0.0141	0.0141
3	0.0157	0.0143	0.0146	0.0145	0.0144	0.0141	0.0143	0.0147	0.0147	0.0147
4	0.0145	0.0150	0.0144	0.0143	0.0146	0.0143	0.0143	0.0144	0.0143	0.0150
5	0.0143	0.0139	0.0143	0.0145	0.0147	0.0141	0.0143	0.0139	0.0146	0.0146
6	0.0148	0.0142	0.0147	0.0143	0.0146	0.0140	0.0149	0.0143	0.0144	0.0144
7	0.0141	0.0143	0.0146	0.0143	0.0147	0.0146	0.0145	0.0141	0.0143	0.0150
8	0.0146	0.0147	0.0149	0.0143	0.0146	0.0145	0.0143	0.0148	0.0146	0.0147
9	0.0142	0.0140	0.0145	0.0146	0.0150	0.0142	0.0143	0.0139	0.0147	0.0143
10	0.0147	0.0146	0.0146	0.0143	0.0146	0.0143	0.0143	0.0145	0.0143	0.0141
11	0.0143	0.0146	0.0144	0.0143	0.0147	0.0149	0.0146	0.0143	0.0145	0.0147
12	0.0143	0.0145	0.0145	0.0141	0.0146	0.0151	0.0145	0.0144	0.0147	0.0144
13	0.0143	0.0143	0.0147	0.0146	0.0147	0.0147	0.0146	0.0139	0.0144	0.0141
14	0.0145	0.0145	0.0148	0.0148	0.0141	0.0143	0.0145	0.0137	0.0144	0.0140
15	0.0141	0.0143	0.0146	0.0147	0.0142	0.0144	0.0142	0.0142	0.0143	0.0150
16	0.0147	0.0143	0.0147	0.0147	0.0143	0.0143	0.0142	0.0143	0.0147	0.0147
17	0.0148	0.0141	0.0147	0.0146	0.0148	0.0142	0.0146	0.0143	0.0147	0.0145
18	0.0140	0.0144	0.0143	0.0143	0.0148	0.0144	0.0147	0.0143	0.0142	0.0142
19	0.0145	0.0143	0.0148	0.0140	0.0147	0.0143	0.0142	0.0153	0.0146	0.0138
20	0.0145	0.0143	0.0144	0.0143	0.0143	0.0146	0.0147	0.0143	0.0144	0.0143
21	0.0145	0.0142	0.0140	0.0143	0.0140	0.0146	0.0147	0.0144	0.0149	0.0147
22	0.0147	0.0144	0.0143	0.0142	0.0143	0.0146	0.0147	0.0148	0.0140	0.0141
23	0.0146	0.0143	0.0142	0.0143	0.0143	0.0143	0.0147	0.0147	0.0147	0.0140
24	0.0143	0.0143	0.0145	0.0142	0.0143	0.0143	0.0150	0.0149	0.0143	0.0148
25	0.0147	0.0145	0.0143	0.0140	0.0148	0.0144	0.0147	0.0141	0.0149	0.0146
26	0.0145	0.0145	0.0144	0.0141	0.0146	0.0142	0.0143	0.0145	0.0147	0.0148
27	0.0141	0.0148	0.0144	0.0144	0.0143	0.0145	0.0139	0.0147	0.0143	0.0143
28	0.0142	0.0142	0.0147	0.0145	0.0147	0.0142	0.0141	0.0143	0.0144	0.0142
29	0.0143	0.0139	0.0143	0.0143	0.0145	0.0143	0.0147	0.0141	0.0145	0.0145
30	0.0148	0.0150	0.0146	0.0141	0.0147	0.0147	0.0148	0.0141	0.0143	0.0146
31	0.0141	0.0144	0.0140	0.0146	0.0149	0.0142	0.0143	0.0137	0.0153	0.0145
32	0.0146	0.0144	0.0146	0.0142	0.0146	0.0147	0.0141	0.0143	0.0141	0.0143
33	0.0144	0.0142	0.0144	0.0141	0.0146	0.0143	0.0144	0.0144	0.0146	0.0154
34	0.0143	0.0146	0.0143	0.0142	0.0149	0.0139	0.0149	0.0147	0.0150	0.0148
35	0.0145	0.0147	0.0143	0.0149	0.0147	0.0144	0.0145	0.0142	0.0143	0.0144
36	0.0145	0.0143	0.0142	0.0145	0.0147	0.0139	0.0143	0.0139	0.0148	0.0144
37	0.0147	0.0142	0.0143	0.0147	0.0146	0.0146	0.0143	0.0142	0.0147	0.0145
38	0.0143	0.0143	0.0148	0.0139	0.0140	0.0141	0.0143	0.0140	0.0154	0.0148
39	0.0142	0.0143	0.0141	0.0142	0.0134	0.0144	0.0143	0.0149	0.0143	0.0146
40	0.0147	0.0142	0.0151	0.0142	0.0149	0.0137	0.0141	0.0147	0.0144	0.0143
41	0.0143	0.0140	0.0143	0.0143	0.0143	0.0142	0.0152	0.0148	0.0147	0.0141

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

42	0.0143	0.0143	0.0146	0.0143	0.0145	0.0140	0.0147	0.0141	0.0144	0.0143
43	0.0148	0.0145	0.0145	0.0143	0.0147	0.0144	0.0145	0.0142	0.0140	0.0145
44	0.0149	0.0143	0.0146	0.0143	0.0149	0.0140	0.0148	0.0140	0.0144	0.0148
45	0.0145	0.0147	0.0143	0.0147	0.0143	0.0148	0.0146	0.0140	0.0141	0.0146
46	0.0147	0.0140	0.0146	0.0143	0.0145	0.0144	0.0144	0.0143	0.0147	0.0144
47	0.0146	0.0147	0.0143	0.0147	0.0147	0.0144	0.0145	0.0142	0.0144	0.0146
48	0.0142	0.0144	0.0145	0.0142	0.0141	0.0143	0.0142	0.0147	0.0149	0.0147
49	0.0145	0.0142	0.0143	0.0147	0.0146	0.0148	0.0148	0.0143	0.0144	0.0143
50	0.0143	0.0139	0.0143	0.0143	0.0148	0.0139	0.0143	0.0148	0.0143	0.0143

Initial										
Measurements in inches		"Y" Direction								
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0148	0.0143	0.0143	0.0143	0.0144	0.0143	0.0144	0.0141	0.0145	0.0144
2	0.0148	0.0143	0.0143	0.0139	0.0146	0.0143	0.0144	0.0143	0.0145	0.0143
3	0.0143	0.0144	0.0143	0.0141	0.0143	0.0144	0.0143	0.0144	0.0143	0.0146
4	0.0143	0.0147	0.0145	0.0143	0.0143	0.0146	0.0142	0.0144	0.0147	0.0144
5	0.0142	0.0144	0.0145	0.0144	0.0146	0.0146	0.0148	0.0142	0.0147	0.0144
6	0.0148	0.0144	0.0146	0.0143	0.0148	0.0147	0.0146	0.0148	0.0144	0.0142
7	0.0143	0.0146	0.0144	0.0143	0.0144	0.0145	0.0145	0.0146	0.0146	0.0145
8	0.0144	0.0147	0.0144	0.0144	0.0144	0.0146	0.0142	0.0146	0.0143	0.0143
9	0.0144	0.0143	0.0144	0.0146	0.0146	0.0143	0.0146	0.0143	0.0147	0.0143
10	0.0145	0.0145	0.0146	0.0144	0.0146	0.0145	0.0145	0.0144	0.0146	0.0146
11	0.0143	0.0144	0.0144	0.0144	0.0146	0.0143	0.0145	0.0146	0.0143	0.0146
12	0.0146	0.0147	0.0146	0.0146	0.0145	0.0146	0.0146	0.0144	0.0147	0.0145
13	0.0145	0.0145	0.0145	0.0146	0.0146	0.0145	0.0143	0.0143	0.0146	0.0143
14	0.0146	0.0146	0.0146	0.0144	0.0146	0.0145	0.0144	0.0143	0.0146	0.0144
15	0.0144	0.0144	0.0143	0.0147	0.0146	0.0146	0.0143	0.0143	0.0143	0.0143
16	0.0143	0.0147	0.0143	0.0145	0.0146	0.0146	0.0146	0.0144	0.0146	0.0146
17	0.0147	0.0145	0.0144	0.0146	0.0146	0.0144	0.0147	0.0144	0.0150	0.0143
18	0.0145	0.0143	0.0145	0.0143	0.0146	0.0143	0.0146	0.0144	0.0146	0.0145
19	0.0146	0.0146	0.0144	0.0143	0.0148	0.0146	0.0146	0.0145	0.0143	0.0145
20	0.0145	0.0147	0.0143	0.0143	0.0145	0.0144	0.0144	0.0146	0.0145	0.0144
21	0.0146	0.0144	0.0142	0.0145	0.0144	0.0145	0.0143	0.0144	0.0150	0.0143
22	0.0146	0.0146	0.0145	0.0140	0.0146	0.0143	0.0148	0.0143	0.0148	0.0145
23	0.0149	0.0144	0.0143	0.0146	0.0146	0.0145	0.0146	0.0143	0.0145	0.0140
24	0.0146	0.0149	0.0146	0.0143	0.0144	0.0145	0.0147	0.0146	0.0145	0.0146
25	0.0146	0.0144	0.0146	0.0146	0.0144	0.0143	0.0144	0.0145	0.0146	0.0146
26	0.0145	0.0149	0.0145	0.0146	0.0143	0.0146	0.0148	0.0145	0.0146	0.0145
27	0.0145	0.0144	0.0143	0.0146	0.0145	0.0143	0.0145	0.0142	0.0146	0.0143
28	0.0144	0.0146	0.0146	0.0143	0.0145	0.0143	0.0144	0.0146	0.0145	0.0146
29	0.0143	0.0146	0.0142	0.0143	0.0143	0.0146	0.0145	0.0143	0.0149	0.0143
30	0.0147	0.0146	0.0146	0.0142	0.0148	0.0143	0.0148	0.0144	0.0146	0.0144
31	0.0145	0.0145	0.0146	0.0142	0.0143	0.0143	0.0143	0.0143	0.0146	0.0146
32	0.0144	0.0146	0.0144	0.0142	0.0144	0.0143	0.0143	0.0143	0.0145	0.0147
33	0.0146	0.0144	0.0146	0.0145	0.0145	0.0143	0.0144	0.0147	0.0145	0.0144
34	0.0146	0.0147	0.0143	0.0143	0.0146	0.0143	0.0146	0.0146	0.0145	0.0143
35	0.0145	0.0145	0.0144	0.0144	0.0143	0.0146	0.0144	0.0144	0.0146	0.0144
36	0.0146	0.0147	0.0148	0.0140	0.0146	0.0146	0.0144	0.0144	0.0147	0.0144
37	0.0146	0.0147	0.0143	0.0147	0.0143	0.0143	0.0146	0.0145	0.0146	0.0143
38	0.0146	0.0146	0.0144	0.0143	0.0147	0.0146	0.0146	0.0145	0.0143	0.0144

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

39	0.0147	0.0146	0.0145	0.0144	0.0146	0.0146	0.0144	0.0143	0.0147	0.0143
40	0.0146	0.0147	0.0146	0.0145	0.0148	0.0143	0.0144	0.0144	0.0144	0.0145
41	0.0146	0.0145	0.0143	0.0146	0.0142	0.0143	0.0143	0.0144	0.0146	0.0142
42	0.0146	0.0145	0.0145	0.0145	0.0145	0.0143	0.0145	0.0144	0.0143	0.0142
43	0.0147	0.0145	0.0145	0.0143	0.0143	0.0143	0.0143	0.0144	0.0144	0.0146
44	0.0145	0.0146	0.0145	0.0143	0.0146	0.0143	0.0145	0.0143	0.0143	0.0146
45	0.0145	0.0147	0.0144	0.0148	0.0146	0.0143	0.0143	0.0145	0.0146	0.0143
46	0.0144	0.0146	0.0146	0.0143	0.0146	0.0144	0.0145	0.0143	0.0144	0.0146
47	0.0146	0.0143	0.0144	0.0146	0.0145	0.0146	0.0146	0.0143	0.0143	0.0148
48	0.0146	0.0146	0.0146	0.0145	0.0144	0.0143	0.0146	0.0145	0.0143	0.0144
49	0.0146	0.0145	0.0143	0.0146	0.0146	0.0144	0.0143	0.0144	0.0146	0.0145
50	0.0143	0.0146	0.0144	0.0146	0.0146	0.0143	0.0145	0.0145	0.0146	0.0144
After 100 Cycles										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0145	0.0142	0.0143	0.0144	0.0145	0.0144	0.0143	0.0141	0.0146	0.0146
2	0.0146	0.0145	0.0143	0.0140	0.0147	0.0146	0.0144	0.0144	0.0146	0.0143
3	0.0146	0.0143	0.0143	0.0144	0.0144	0.0143	0.0145	0.0145	0.0144	0.0147
4	0.0146	0.0146	0.0144	0.0146	0.0144	0.0146	0.0143	0.0144	0.0145	0.0146
5	0.0145	0.0145	0.0144	0.0144	0.0146	0.0145	0.0146	0.0143	0.0150	0.0145
6	0.0148	0.0146	0.0146	0.0146	0.0149	0.0146	0.0146	0.0146	0.0145	0.0146
7	0.0144	0.0145	0.0144	0.0145	0.0144	0.0146	0.0145	0.0143	0.0147	0.0146
8	0.0144	0.0146	0.0144	0.0145	0.0143	0.0149	0.0146	0.0146	0.0143	0.0146
9	0.0146	0.0143	0.0144	0.0148	0.0146	0.0146	0.0145	0.0145	0.0149	0.0145
10	0.0146	0.0145	0.0146	0.0145	0.0145	0.0146	0.0144	0.0143	0.0149	0.0146
11	0.0146	0.0143	0.0146	0.0143	0.0147	0.0144	0.0144	0.0144	0.0146	0.0146
12	0.0147	0.0148	0.0145	0.0145	0.0146	0.0146	0.0145	0.0145	0.0146	0.0148
13	0.0144	0.0145	0.0143	0.0145	0.0145	0.0146	0.0144	0.0145	0.0148	0.0144
14	0.0150	0.0147	0.0146	0.0146	0.0146	0.0147	0.0145	0.0146	0.0148	0.0145
15	0.0147	0.0143	0.0145	0.0148	0.0146	0.0144	0.0145	0.0144	0.0145	0.0144
16	0.0146	0.0148	0.0145	0.0145	0.0146	0.0146	0.0145	0.0145	0.0147	0.0150
17	0.0147	0.0146	0.0144	0.0145	0.0146	0.0145	0.0143	0.0146	0.0151	0.0145
18	0.0146	0.0145	0.0146	0.0142	0.0146	0.0147	0.0146	0.0145	0.0147	0.0146
19	0.0146	0.0146	0.0145	0.0143	0.0148	0.0148	0.0143	0.0146	0.0148	0.0147
20	0.0147	0.0148	0.0145	0.0146	0.0145	0.0145	0.0147	0.0146	0.0145	0.0147
21	0.0146	0.0143	0.0145	0.0146	0.0143	0.0146	0.0145	0.0143	0.0148	0.0145
22	0.0146	0.0148	0.0146	0.0143	0.0147	0.0148	0.0146	0.0146	0.0148	0.0146
23	0.0146	0.0146	0.0143	0.0145	0.0145	0.0143	0.0147	0.0146	0.0145	0.0141
24	0.0146	0.0148	0.0145	0.0145	0.0146	0.0143	0.0147	0.0147	0.0146	0.0146
25	0.0145	0.0144	0.0145	0.0146	0.0146	0.0144	0.0144	0.0145	0.0149	0.0145
26	0.0145	0.0147	0.0146	0.0145	0.0146	0.0147	0.0144	0.0145	0.0145	0.0148
27	0.0145	0.0145	0.0144	0.0146	0.0145	0.0143	0.0144	0.0143	0.0147	0.0143
28	0.0145	0.0146	0.0149	0.0143	0.0145	0.0145	0.0143	0.0146	0.0146	0.0148
29	0.0146	0.0146	0.0143	0.0143	0.0144	0.0144	0.0143	0.0143	0.0150	0.0144
30	0.0147	0.0146	0.0146	0.0144	0.0144	0.0144	0.0147	0.0143	0.0146	0.0143
31	0.0145	0.0146	0.0146	0.0143	0.0145	0.0142	0.0141	0.0146	0.0146	0.0146
32	0.0145	0.0146	0.0145	0.0143	0.0146	0.0141	0.0143	0.0146	0.0146	0.0148
33	0.0148	0.0144	0.0146	0.0146	0.0145	0.0145	0.0143	0.0146	0.0146	0.0144
34	0.0146	0.0147	0.0144	0.0144	0.0146	0.0145	0.0146	0.0145	0.0146	0.0144
35	0.0146	0.0145	0.0148	0.0146	0.0145	0.0147	0.0143	0.0143	0.0146	0.0144
36	0.0149	0.0149	0.0146	0.0143	0.0147	0.0143	0.0143	0.0145	0.0148	0.0144
37	0.0145	0.0146	0.0146	0.0146	0.0143	0.0146	0.0146	0.0146	0.0146	0.0146
38	0.0146	0.0147	0.0143	0.0146	0.0149	0.0147	0.0145	0.0145	0.0146	0.0146
39	0.0146	0.0148	0.0147	0.0146	0.0144	0.0147	0.0143	0.0143	0.0148	0.0144
40	0.0147	0.0146	0.0143	0.0146	0.0149	0.0145	0.0144	0.0146	0.0144	0.0145
41	0.0146	0.0145	0.0145	0.0146	0.0143	0.0145	0.0143	0.0143	0.0146	0.0142

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

42	0.0146	0.0147	0.0143	0.0144	0.0149	0.0142	0.0145	0.0143	0.0147	0.0146
43	0.0147	0.0146	0.0144	0.0146	0.0145	0.0145	0.0144	0.0145	0.0145	0.0146
44	0.0145	0.0146	0.0146	0.0146	0.0146	0.0144	0.0144	0.0142	0.0145	0.0143
45	0.0145	0.0146	0.0146	0.0148	0.0145	0.0143	0.0144	0.0146	0.0146	0.0143
46	0.0145	0.0146	0.0147	0.0146	0.0145	0.0144	0.0145	0.0145	0.0144	0.0144
47	0.0146	0.0146	0.0147	0.0148	0.0146	0.0144	0.0144	0.0143	0.0144	0.0146
48	0.0146	0.0146	0.0145	0.0144	0.0145	0.0144	0.0146	0.0147	0.0145	0.0143
49	0.0145	0.0148	0.0144	0.0146	0.0148	0.0144	0.0145	0.0145	0.0145	0.0143
50	0.0144	0.0148	0.0143	0.0146	0.0148	0.0145	0.0144	0.0146	0.0145	0.0146
After Thermals										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0139	0.0140	0.0140	0.0138	0.0138	0.0141	0.0141	0.0144	0.0138	0.0143
2	0.0143	0.0138	0.0143	0.0135	0.0135	0.0140	0.0140	0.0144	0.0139	0.0139
3	0.0139	0.0143	0.0140	0.0135	0.0135	0.0136	0.0139	0.0142	0.0144	0.0142
4	0.0136	0.0140	0.0137	0.0141	0.0141	0.0138	0.0143	0.0138	0.0146	0.0137
5	0.0139	0.0138	0.0136	0.0140	0.0140	0.0140	0.0141	0.0146	0.0139	0.0143
6	0.0141	0.0137	0.0139	0.0135	0.0135	0.0139	0.0138	0.0142	0.0141	0.0142
7	0.0137	0.0139	0.0139	0.0133	0.0133	0.0137	0.0137	0.0140	0.0143	0.0143
8	0.0139	0.0143	0.0135	0.0138	0.0138	0.0135	0.0143	0.0139	0.0140	0.0139
9	0.0140	0.0139	0.0135	0.0139	0.0139	0.0139	0.0144	0.0147	0.0139	0.0135
10	0.0140	0.0135	0.0139	0.0135	0.0135	0.0141	0.0139	0.0142	0.0140	0.0141
11	0.0135	0.0141	0.0141	0.0135	0.0135	0.0135	0.0138	0.0140	0.0146	0.0139
12	0.0139	0.0140	0.0135	0.0140	0.0140	0.0135	0.0143	0.0136	0.0145	0.0138
13	0.0139	0.0138	0.0137	0.0141	0.0141	0.0140	0.0145	0.0146	0.0139	0.0136
14	0.0141	0.0138	0.0139	0.0136	0.0136	0.0142	0.0138	0.0142	0.0139	0.0142
15	0.0135	0.0143	0.0139	0.0137	0.0137	0.0135	0.0138	0.0137	0.0147	0.0137
16	0.0137	0.0141	0.0135	0.0141	0.0141	0.0141	0.0143	0.0138	0.0147	0.0138
17	0.0139	0.0139	0.0136	0.0140	0.0140	0.0139	0.0142	0.0144	0.0140	0.0135
18	0.0141	0.0140	0.0140	0.0135	0.0135	0.0141	0.0139	0.0142	0.0139	0.0143
19	0.0139	0.0141	0.0140	0.0136	0.0136	0.0136	0.0134	0.0137	0.0145	0.0147
20	0.0143	0.0144	0.0133	0.0136	0.0136	0.0139	0.0139	0.0140	0.0143	0.0137
21	0.0145	0.0139	0.0138	0.0139	0.0139	0.0143	0.0143	0.0147	0.0142	0.0137
22	0.0150	0.0142	0.0139	0.0137	0.0137	0.0138	0.0139	0.0147	0.0139	0.0141
23	0.0141	0.0143	0.0135	0.0136	0.0136	0.0136	0.0135	0.0139	0.0146	0.0139
24	0.0141	0.0146	0.0134	0.0141	0.0141	0.0137	0.0143	0.0136	0.0149	0.0138
25	0.0142	0.0136	0.0135	0.0141	0.0141	0.0139	0.0143	0.0145	0.0137	0.0138
26	0.0140	0.0136	0.0141	0.0134	0.0134	0.0142	0.0138	0.0141	0.0139	0.0141
27	0.0138	0.0142	0.0142	0.0136	0.0136	0.0136	0.0137	0.0139	0.0147	0.0143
28	0.0139	0.0141	0.0136	0.0139	0.0139	0.0137	0.0142	0.0138	0.0143	0.0136
29	0.0140	0.0140	0.0135	0.0140	0.0140	0.0141	0.0142	0.0144	0.0141	0.0135
30	0.0141	0.0138	0.0139	0.0135	0.0135	0.0139	0.0137	0.0144	0.0140	0.0141
31	0.0137	0.0144	0.0142	0.0135	0.0135	0.0136	0.0137	0.0140	0.0145	0.0138
32	0.0135	0.0143	0.0136	0.0142	0.0142	0.0136	0.0143	0.0139	0.0147	0.0139
33	0.0137	0.0136	0.0135	0.0142	0.0142	0.0141	0.0143	0.0147	0.0139	0.0135
34	0.0141	0.0139	0.0136	0.0139	0.0139	0.0141	0.0136	0.0150	0.0141	0.0143
35	0.0136	0.0138	0.0139	0.0135	0.0135	0.0135	0.0137	0.0139	0.0148	0.0142
36	0.0134	0.0141	0.0135	0.0133	0.0133	0.0135	0.0143	0.0136	0.0147	0.0139
37	0.0142	0.0136	0.0133	0.0139	0.0139	0.0134	0.0135	0.0147	0.0138	0.0137
38	0.0143	0.0139	0.0138	0.0139	0.0139	0.0140	0.0135	0.0138	0.0140	0.0134
39	0.0135	0.0144	0.0139	0.0135	0.0135	0.0141	0.0139	0.0138	0.0143	0.0138
40	0.0139	0.0143	0.0136	0.0135	0.0135	0.0135	0.0139	0.0136	0.0147	0.0143

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

41	0.0141	0.0137	0.0135	0.0139	0.0139	0.0137	0.0139	0.0141	0.0139	0.0136
42	0.0141	0.0138	0.0139	0.0139	0.0139	0.0140	0.0139	0.0145	0.0143	0.0135
43	0.0136	0.0142	0.0139	0.0135	0.0135	0.0141	0.0135	0.0139	0.0144	0.0143
44	0.0135	0.0142	0.0134	0.0135	0.0135	0.0134	0.0139	0.0139	0.0146	0.0140
45	0.0141	0.0139	0.0135	0.0141	0.0141	0.0136	0.0135	0.0147	0.0141	0.0137
46	0.0140	0.0139	0.0141	0.0138	0.0138	0.0136	0.0136	0.0143	0.0139	0.0136
47	0.0137	0.0139	0.0139	0.0135	0.0135	0.0139	0.0134	0.0139	0.0143	0.0145
48	0.0136	0.0143	0.0135	0.0136	0.0136	0.0135	0.0143	0.0139	0.0147	0.0135
49	0.0141	0.0139	0.0135	0.0140	0.0140	0.0136	0.0141	0.0142	0.0141	0.0136
50	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0137	0.0145	0.0143	0.0132
After Humidity										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0139	0.0141	0.0137	0.0136	0.0143	0.0139	0.0143	0.0137	0.0142	0.0142
2	0.0142	0.0139	0.0141	0.0133	0.0142	0.0141	0.0146	0.0142	0.0141	0.0135
3	0.0136	0.0141	0.0140	0.0145	0.0135	0.0145	0.0139	0.0146	0.0141	0.0146
4	0.0137	0.0146	0.0135	0.0143	0.0139	0.0143	0.0139	0.0150	0.0140	0.0150
5	0.0142	0.0137	0.0136	0.0131	0.0143	0.0134	0.0149	0.0142	0.0144	0.0142
6	0.0139	0.0137	0.0140	0.0130	0.0139	0.0135	0.0142	0.0139	0.0146	0.0141
7	0.0135	0.0143	0.0135	0.0139	0.0136	0.0141	0.0141	0.0144	0.0136	0.0152
8	0.0137	0.0143	0.0138	0.0141	0.0138	0.0140	0.0141	0.0143	0.0136	0.0146
9	0.0140	0.0139	0.0135	0.0136	0.0142	0.0136	0.0148	0.0139	0.0145	0.0138
10	0.0139	0.0138	0.0142	0.0135	0.0143	0.0138	0.0142	0.0143	0.0139	0.0142
11	0.0136	0.0142	0.0143	0.0143	0.0139	0.0145	0.0143	0.0142	0.0138	0.0146
12	0.0133	0.0138	0.0135	0.0139	0.0140	0.0145	0.0139	0.0148	0.0136	0.0140
13	0.0140	0.0138	0.0139	0.0135	0.0143	0.0139	0.0146	0.0143	0.0142	0.0141
14	0.0144	0.0135	0.0142	0.0136	0.0144	0.0137	0.0146	0.0138	0.0135	0.0139
15	0.0136	0.0143	0.0143	0.0137	0.0132	0.0146	0.0141	0.0146	0.0139	0.0146
16	0.0137	0.0145	0.0137	0.0135	0.0139	0.0141	0.0138	0.0143	0.0131	0.0151
17	0.0143	0.0135	0.0136	0.0137	0.0139	0.0143	0.0143	0.0138	0.0138	0.0135
18	0.0138	0.0140	0.0137	0.0134	0.0144	0.0135	0.0141	0.0139	0.0144	0.0140
19	0.0138	0.0142	0.0139	0.0138	0.0135	0.0139	0.0139	0.0143	0.0138	0.0137
20	0.0135	0.0144	0.0133	0.0138	0.0137	0.0146	0.0144	0.0142	0.0137	0.0146
21	0.0139	0.0136	0.0135	0.0135	0.0143	0.0140	0.0150	0.0143	0.0141	0.0139
22	0.0139	0.0142	0.0142	0.0139	0.0139	0.0138	0.0151	0.0140	0.0144	0.0138
23	0.0135	0.0140	0.0134	0.0141	0.0135	0.0145	0.0134	0.0146	0.0135	0.0140
24	0.0141	0.0146	0.0135	0.0143	0.0137	0.0138	0.0139	0.0148	0.0139	0.0148
25	0.0139	0.0139	0.0136	0.0135	0.0141	0.0139	0.0149	0.0140	0.0142	0.0137
26	0.0139	0.0139	0.0141	0.0135	0.0142	0.0139	0.0142	0.0140	0.0143	0.0140
27	0.0139	0.0142	0.0137	0.0139	0.0136	0.0144	0.0141	0.0149	0.0136	0.0151
28	0.0135	0.0140	0.0135	0.0139	0.0135	0.0136	0.0143	0.0141	0.0134	0.0139
29	0.0143	0.0134	0.0132	0.0135	0.0139	0.0142	0.0146	0.0141	0.0143	0.0138
30	0.0142	0.0137	0.0139	0.0137	0.0143	0.0140	0.0145	0.0143	0.0136	0.0140
31	0.0135	0.0145	0.0137	0.0139	0.0133	0.0146	0.0142	0.0146	0.0136	0.0150
32	0.0135	0.0143	0.0138	0.0139	0.0136	0.0139	0.0142	0.0149	0.0134	0.0146
33	0.0139	0.0136	0.0135	0.0140	0.0141	0.0139	0.0147	0.0141	0.0138	0.0136
34	0.0144	0.0136	0.0135	0.0135	0.0141	0.0142	0.0149	0.0139	0.0139	0.0146
35	0.0135	0.0136	0.0134	0.0142	0.0135	0.0140	0.0139	0.0146	0.0138	0.0141
36	0.0139	0.0140	0.0133	0.0140	0.0135	0.0134	0.0138	0.0148	0.0137	0.0149

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

37	0.0140	0.0139	0.0138	0.0138	0.0142	0.0137	0.0148	0.0139	0.0143	0.0139
38	0.0142	0.0138	0.0135	0.0132	0.0141	0.0145	0.0139	0.0138	0.0144	0.0152
39	0.0135	0.0141	0.0139	0.0139	0.0139	0.0143	0.0136	0.0144	0.0138	0.0140
40	0.0137	0.0140	0.0135	0.0139	0.0136	0.0136	0.0135	0.0151	0.0135	0.0146
41	0.0140	0.0135	0.0136	0.0132	0.0143	0.0136	0.0147	0.0139	0.0145	0.0139
42	0.0142	0.0139	0.0143	0.0132	0.0141	0.0136	0.0143	0.0143	0.0140	0.0138
43	0.0135	0.0137	0.0136	0.0138	0.0134	0.0140	0.0139	0.0143	0.0140	0.0147
44	0.0135	0.0143	0.0132	0.0142	0.0137	0.0139	0.0138	0.0146	0.0133	0.0148
45	0.0142	0.0137	0.0135	0.0133	0.0138	0.0138	0.0149	0.0140	0.0143	0.0135
46	0.0142	0.0137	0.0139	0.0137	0.0144	0.0141	0.0145	0.0141	0.0139	0.0139
47	0.0137	0.0141	0.0136	0.0143	0.0135	0.0140	0.0139	0.0144	0.0136	0.0150
48	0.0139	0.0143	0.0137	0.0139	0.0142	0.0135	0.0143	0.0143	0.0133	0.0151
49	0.0137	0.0139	0.0139	0.0134	0.0145	0.0139	0.0144	0.0135	0.0148	0.0136
50	0.0136	0.0137	0.0142	0.0135	0.0137	0.0137	0.0143	0.0141	0.0137	0.0142

CONTACT GAP - 50 x 10 (YFS-50-03-G-10-SB)

Initial										
Measurements in inches				"X" Direction						
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0119	0.0116	0.0119	0.0122	0.0120	0.0121	0.0118	0.0122	0.0122	0.0119
2	0.0122	0.0118	0.0119	0.0122	0.0119	0.0116	0.0118	0.0123	0.0123	0.0118
3	0.0118	0.0121	0.0121	0.0120	0.0121	0.0125	0.0121	0.0118	0.0118	0.0121
4	0.0119	0.0122	0.0122	0.0121	0.0122	0.0119	0.0122	0.0116	0.0121	0.0121
5	0.0119	0.0116	0.0119	0.0121	0.0119	0.0119	0.0118	0.0121	0.0122	0.0117
6	0.0123	0.0116	0.0116	0.0122	0.0120	0.0117	0.0117	0.0119	0.0122	0.0118
7	0.0118	0.0120	0.0123	0.0118	0.0120	0.0121	0.0121	0.0120	0.0117	0.0120
8	0.0117	0.0120	0.0121	0.0121	0.0124	0.0121	0.0123	0.0118	0.0118	0.0119
9	0.0119	0.0117	0.0119	0.0120	0.0118	0.0119	0.0117	0.0121	0.0120	0.0119
10	0.0118	0.0117	0.0117	0.0122	0.0118	0.0119	0.0117	0.0123	0.0122	0.0115
11	0.0117	0.0119	0.0122	0.0117	0.0121	0.0123	0.0121	0.0117	0.0117	0.0120
12	0.0117	0.0122	0.0121	0.0121	0.0122	0.0121	0.0123	0.0119	0.0118	0.0119
13	0.0120	0.0117	0.0121	0.0123	0.0119	0.0119	0.0117	0.0120	0.0123	0.0117
14	0.0119	0.0118	0.0118	0.0122	0.0118	0.0117	0.0119	0.0118	0.0121	0.0116
15	0.0119	0.0118	0.0122	0.0118	0.0121	0.0121	0.0121	0.0116	0.0116	0.0122
16	0.0118	0.0122	0.0121	0.0120	0.0121	0.0121	0.0120	0.0120	0.0116	0.0120
17	0.0121	0.0114	0.0119	0.0121	0.0118	0.0118	0.0119	0.0121	0.0121	0.0117
18	0.0120	0.0117	0.0118	0.0122	0.0119	0.0119	0.0120	0.0122	0.0118	0.0118
19	0.0118	0.0119	0.0121	0.0118	0.0121	0.0121	0.0121	0.0119	0.0116	0.0121
20	0.0117	0.0121	0.0123	0.0119	0.0123	0.0122	0.0122	0.0121	0.0117	0.0121
21	0.0120	0.0117	0.0119	0.0122	0.0117	0.0119	0.0116	0.0121	0.0121	0.0117
22	0.0119	0.0117	0.0120	0.0122	0.0117	0.0117	0.0117	0.0123	0.0119	0.0117
23	0.0116	0.0119	0.0121	0.0119	0.0122	0.0120	0.0121	0.0119	0.0118	0.0119
24	0.0118	0.0120	0.0124	0.0120	0.0120	0.0121	0.0120	0.0118	0.0117	0.0120
25	0.0120	0.0116	0.0117	0.0120	0.0117	0.0117	0.0118	0.0122	0.0121	0.0118
26	0.0121	0.0117	0.0120	0.0121	0.0118	0.0117	0.0117	0.0122	0.0121	0.0119
27	0.0118	0.0119	0.0122	0.0119	0.0119	0.0121	0.0122	0.0119	0.0118	0.0120
28	0.0118	0.0120	0.0122	0.0119	0.0121	0.0121	0.0121	0.0117	0.0116	0.0120
29	0.0120	0.0117	0.0117	0.0120	0.0118	0.0120	0.0120	0.0121	0.0120	0.0116
30	0.0121	0.0117	0.0118	0.0122	0.0120	0.0118	0.0118	0.0121	0.0120	0.0117
31	0.0116	0.0118	0.0120	0.0118	0.0121	0.0121	0.0121	0.0118	0.0117	0.0118
32	0.0118	0.0121	0.0122	0.0119	0.0120	0.0120	0.0120	0.0118	0.0115	0.0119
33	0.0117	0.0117	0.0118	0.0123	0.0118	0.0119	0.0118	0.0119	0.0124	0.0118
34	0.0121	0.0119	0.0120	0.0121	0.0118	0.0117	0.0118	0.0120	0.0120	0.0118
35	0.0118	0.0117	0.0121	0.0117	0.0120	0.0121	0.0121	0.0116	0.0118	0.0121

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

36	0.0118	0.0121	0.0122	0.0118	0.0122	0.0120	0.0121	0.0119	0.0118	0.0121
37	0.0119	0.0116	0.0117	0.0120	0.0118	0.0117	0.0116	0.0121	0.0123	0.0118
38	0.0120	0.0128	0.0119	0.0120	0.0118	0.0118	0.0117	0.0122	0.0119	0.0118
39	0.0119	0.0120	0.0119	0.0118	0.0122	0.0120	0.0121	0.0116	0.0119	0.0122
40	0.0118	0.0120	0.0120	0.0120	0.0124	0.0121	0.0120	0.0118	0.0119	0.0120
41	0.0119	0.0116	0.0117	0.0123	0.0119	0.0118	0.0119	0.0120	0.0122	0.0118
42	0.0119	0.0118	0.0118	0.0122	0.0118	0.0118	0.0117	0.0123	0.0122	0.0117
43	0.0118	0.0117	0.0121	0.0118	0.0120	0.0119	0.0122	0.0116	0.0117	0.0118
44	0.0116	0.0121	0.0122	0.0120	0.0121	0.0119	0.0122	0.0118	0.0118	0.0120
45	0.0120	0.0118	0.0119	0.0121	0.0118	0.0120	0.0120	0.0120	0.0122	0.0117
46	0.0120	0.0116	0.0118	0.0124	0.0118	0.0119	0.0120	0.0121	0.0120	0.0119
47	0.0118	0.0119	0.0120	0.0119	0.0121	0.0120	0.0121	0.0119	0.0117	0.0118
48	0.0119	0.0118	0.0119	0.0119	0.0120	0.0122	0.0123	0.0118	0.0116	0.0120
49	0.0120	0.0116	0.0118	0.0120	0.0121	0.0119	0.0117	0.0120	0.0120	0.0116
50	0.0119	0.0117	0.0118	0.0122	0.0118	0.0119	0.0118	0.0123	0.0120	0.0117
After 100 Cycles										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0124	0.0120	0.0120	0.0124	0.0124	0.0122	0.0124	0.0124	0.0126	0.0124
2	0.0123	0.0121	0.0124	0.0126	0.0123	0.0122	0.0124	0.0128	0.0124	0.0124
3	0.0120	0.0120	0.0118	0.0122	0.0125	0.0122	0.0124	0.0121	0.0123	0.0128
4	0.0121	0.0121	0.0124	0.0120	0.0124	0.0120	0.0127	0.0122	0.0124	0.0127
5	0.0124	0.0120	0.0120	0.0122	0.0122	0.0123	0.0127	0.0123	0.0127	0.0127
6	0.0122	0.0120	0.0125	0.0124	0.0120	0.0123	0.0123	0.0120	0.0124	0.0124
7	0.0122	0.0125	0.0122	0.0123	0.0125	0.0122	0.0123	0.0126	0.0120	0.0128
8	0.0124	0.0124	0.0121	0.0122	0.0124	0.0120	0.0124	0.0125	0.0121	0.0124
9	0.0123	0.0122	0.0123	0.0124	0.0120	0.0124	0.0123	0.0124	0.0125	0.0124
10	0.0122	0.0118	0.0122	0.0127	0.0124	0.0124	0.0123	0.0124	0.0123	0.0121
11	0.0124	0.0124	0.0121	0.0120	0.0124	0.0120	0.0127	0.0125	0.0120	0.0124
12	0.0124	0.0120	0.0122	0.0120	0.0124	0.0120	0.0124	0.0120	0.0124	0.0124
13	0.0124	0.0120	0.0123	0.0126	0.0122	0.0126	0.0126	0.0125	0.0126	0.0126
14	0.0124	0.0121	0.0124	0.0122	0.0123	0.0122	0.0124	0.0121	0.0122	0.0123
15	0.0123	0.0121	0.0121	0.0122	0.0125	0.0124	0.0126	0.0124	0.0120	0.0126
16	0.0124	0.0124	0.0124	0.0122	0.0124	0.0124	0.0126	0.0124	0.0120	0.0124
17	0.0123	0.0118	0.0123	0.0125	0.0124	0.0124	0.0123	0.0128	0.0126	0.0124
18	0.0125	0.0118	0.0123	0.0124	0.0122	0.0127	0.0124	0.0128	0.0124	0.0120
19	0.0122	0.0120	0.0123	0.0120	0.0125	0.0120	0.0126	0.0124	0.0121	0.0124
20	0.0124	0.0122	0.0122	0.0120	0.0121	0.0120	0.0128	0.0123	0.0124	0.0128
21	0.0121	0.0121	0.0123	0.0124	0.0120	0.0126	0.0124	0.0125	0.0124	0.0123
22	0.0127	0.0120	0.0123	0.0124	0.0124	0.0127	0.0124	0.0128	0.0126	0.0123
23	0.0132	0.0121	0.0123	0.0123	0.0124	0.0122	0.0124	0.0124	0.0126	0.0128
24	0.0125	0.0128	0.0126	0.0122	0.0122	0.0123	0.0124	0.0124	0.0123	0.0127
25	0.0124	0.0116	0.0127	0.0123	0.0121	0.0125	0.0124	0.0125	0.0123	0.0131
26	0.0124	0.0122	0.0125	0.0124	0.0120	0.0123	0.0124	0.0123	0.0124	0.0128
27	0.0125	0.0121	0.0125	0.0123	0.0125	0.0123	0.0121	0.0122	0.0123	0.0127
28	0.0123	0.0122	0.0125	0.0124	0.0124	0.0120	0.0124	0.0124	0.0121	0.0129
29	0.0127	0.0120	0.0125	0.0122	0.0123	0.0124	0.0120	0.0123	0.0126	0.0121
30	0.0123	0.0118	0.0126	0.0125	0.0120	0.0124	0.0122	0.0123	0.0128	0.0123
31	0.0124	0.0125	0.0124	0.0122	0.0124	0.0126	0.0124	0.0124	0.0123	0.0128
32	0.0124	0.0125	0.0126	0.0121	0.0120	0.0124	0.0124	0.0120	0.0122	0.0124
33	0.0124	0.0118	0.0125	0.0122	0.0122	0.0121	0.0120	0.0124	0.0124	0.0123
34	0.0123	0.0117	0.0124	0.0123	0.0120	0.0125	0.0124	0.0122	0.0124	0.0124
35	0.0127	0.0120	0.0123	0.0121	0.0124	0.0123	0.0125	0.0122	0.0124	0.0127
36	0.0122	0.0124	0.0125	0.0120	0.0123	0.0120	0.0123	0.0121	0.0122	0.0122
37	0.0121	0.0120	0.0124	0.0123	0.0120	0.0124	0.0123	0.0126	0.0127	0.0124
38	0.0125	0.0120	0.0120	0.0120	0.0120	0.0124	0.0122	0.0123	0.0127	0.0127
39	0.0126	0.0120	0.0120	0.0123	0.0125	0.0122	0.0124	0.0123	0.0120	0.0124
40	0.0124	0.0123	0.0124	0.0120	0.0123	0.0120	0.0124	0.0123	0.0123	0.0124
41	0.0124	0.0120	0.0122	0.0120	0.0120	0.0121	0.0125	0.0124	0.0124	0.0122
42	0.0124	0.0120	0.0122	0.0123	0.0122	0.0124	0.0123	0.0121	0.0125	0.0123
43	0.0126	0.0125	0.0123	0.0120	0.0124	0.0120	0.0126	0.0122	0.0120	0.0124
44	0.0128	0.0124	0.0125	0.0120	0.0124	0.0124	0.0129	0.0121	0.0122	0.0127
45	0.0121	0.0120	0.0124	0.0122	0.0124	0.0122	0.0121	0.0124	0.0120	0.0121
46	0.0124	0.0120	0.0124	0.0123	0.0121	0.0122	0.0122	0.0120	0.0120	0.0127
47	0.0124	0.0120	0.0124	0.0123	0.0121	0.0122	0.0123	0.0123	0.0120	0.0123

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

48	0.0124	0.0122	0.0124	0.0121	0.0124	0.0120	0.0120	0.0120	0.0120	0.0124
49	0.0122	0.0120	0.0124	0.0124	0.0123	0.0118	0.0125	0.0126	0.0120	0.0126
50	0.0124	0.0124	0.0125	0.0122	0.0123	0.0122	0.0126	0.0120	0.0125	0.0134
After Thermals										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0128	0.0132	0.0143	0.0135	0.0135	0.0139	0.0135	0.0135	0.0135	0.0135
2	0.0131	0.0134	0.0139	0.0135	0.0139	0.0139	0.0138	0.0132	0.0133	0.0134
3	0.0135	0.0136	0.0137	0.0132	0.0136	0.0139	0.0139	0.0138	0.0134	0.0135
4	0.0132	0.0134	0.0138	0.0135	0.0139	0.0138	0.0136	0.0139	0.0134	0.0135
5	0.0135	0.0134	0.0138	0.0134	0.0138	0.0139	0.0136	0.0135	0.0135	0.0136
6	0.0135	0.0135	0.0135	0.0138	0.0136	0.0139	0.0140	0.0134	0.0133	0.0139
7	0.0136	0.0133	0.0137	0.0137	0.0135	0.0141	0.0138	0.0135	0.0136	0.0135
8	0.0135	0.0134	0.0135	0.0137	0.0139	0.0139	0.0139	0.0135	0.0135	0.0137
9	0.0134	0.0136	0.0139	0.0132	0.0137	0.0140	0.0139	0.0133	0.0135	0.0140
10	0.0134	0.0132	0.0139	0.0135	0.0139	0.0138	0.0139	0.0134	0.0132	0.0141
11	0.0135	0.0135	0.0133	0.0135	0.0136	0.0141	0.0138	0.0134	0.0139	0.0135
12	0.0134	0.0133	0.0140	0.0136	0.0139	0.0138	0.0136	0.0135	0.0137	0.0133
13	0.0134	0.0135	0.0137	0.0139	0.0135	0.0139	0.0135	0.0135	0.0134	0.0135
14	0.0134	0.0134	0.0137	0.0134	0.0138	0.0135	0.0139	0.0132	0.0136	0.0135
15	0.0135	0.0136	0.0138	0.0135	0.0136	0.0141	0.0137	0.0135	0.0135	0.0139
16	0.0135	0.0135	0.0136	0.0132	0.0139	0.0139	0.0141	0.0134	0.0133	0.0134
17	0.0136	0.0135	0.0136	0.0135	0.0138	0.0139	0.0137	0.0134	0.0136	0.0135
18	0.0132	0.0134	0.0138	0.0135	0.0136	0.0143	0.0140	0.0135	0.0136	0.0136
19	0.0135	0.0135	0.0140	0.0136	0.0136	0.0142	0.0135	0.0135	0.0134	0.0135
20	0.0134	0.0133	0.0138	0.0136	0.0135	0.0140	0.0141	0.0135	0.0134	0.0141
21	0.0135	0.0133	0.0134	0.0140	0.0135	0.0138	0.0139	0.0137	0.0133	0.0136
22	0.0136	0.0135	0.0139	0.0135	0.0140	0.0139	0.0140	0.0138	0.0132	0.0136
23	0.0135	0.0136	0.0138	0.0136	0.0136	0.0140	0.0137	0.0136	0.0135	0.0136
24	0.0135	0.0134	0.0135	0.0135	0.0138	0.0139	0.0139	0.0137	0.0135	0.0139
25	0.0135	0.0135	0.0136	0.0137	0.0137	0.0143	0.0135	0.0139	0.0135	0.0134
26	0.0134	0.0130	0.0135	0.0133	0.0138	0.0139	0.0139	0.0135	0.0135	0.0139
27	0.0135	0.0135	0.0137	0.0132	0.0135	0.0138	0.0135	0.0135	0.0138	0.0136
28	0.0136	0.0134	0.0135	0.0132	0.0137	0.0140	0.0140	0.0135	0.0132	0.0138
29	0.0133	0.0135	0.0137	0.0136	0.0134	0.0140	0.0136	0.0135	0.0135	0.0137
30	0.0136	0.0133	0.0135	0.0134	0.0136	0.0141	0.0140	0.0135	0.0133	0.0136
31	0.0132	0.0135	0.0139	0.0138	0.0137	0.0140	0.0137	0.0135	0.0132	0.0134
32	0.0134	0.0131	0.0138	0.0139	0.0138	0.0140	0.0136	0.0135	0.0132	0.0136
33	0.0136	0.0135	0.0135	0.0136	0.0135	0.0138	0.0137	0.0139	0.0136	0.0134
34	0.0136	0.0135	0.0137	0.0134	0.0139	0.0138	0.0138	0.0136	0.0135	0.0135
35	0.0134	0.0135	0.0135	0.0136	0.0136	0.0136	0.0138	0.0135	0.0135	0.0142
36	0.0136	0.0134	0.0136	0.0134	0.0139	0.0140	0.0140	0.0135	0.0138	0.0136
37	0.0135	0.0135	0.0138	0.0135	0.0133	0.0139	0.0137	0.0139	0.0138	0.0135
38	0.0137	0.0130	0.0135	0.0134	0.0132	0.0134	0.0140	0.0134	0.0133	0.0135
39	0.0135	0.0137	0.0135	0.0136	0.0135	0.0139	0.0139	0.0135	0.0135	0.0135
40	0.0136	0.0134	0.0135	0.0135	0.0138	0.0138	0.0139	0.0135	0.0132	0.0138
41	0.0135	0.0133	0.0136	0.0138	0.0135	0.0142	0.0139	0.0134	0.0134	0.0138
42	0.0135	0.0134	0.0136	0.0135	0.0138	0.0137	0.0140	0.0136	0.0133	0.0136
43	0.0133	0.0135	0.0137	0.0141	0.0139	0.0139	0.0135	0.0133	0.0133	0.0137
44	0.0134	0.0134	0.0136	0.0137	0.0138	0.0137	0.0138	0.0134	0.0134	0.0133
45	0.0135	0.0134	0.0135	0.0135	0.0136	0.0143	0.0138	0.0137	0.0132	0.0135
46	0.0135	0.0137	0.0136	0.0135	0.0136	0.0137	0.0139	0.0135	0.0135	0.0135
47	0.0138	0.0137	0.0136	0.0135	0.0138	0.0134	0.0142	0.0135	0.0135	0.0134
48	0.0136	0.0134	0.0136	0.0135	0.0139	0.0138	0.0140	0.0135	0.0135	0.0136
49	0.0135	0.0132	0.0135	0.0135	0.0136	0.0141	0.0139	0.0134	0.0135	0.0139
50	0.0135	0.0134	0.0135	0.0133	0.0136	0.0135	0.0136	0.0133	0.0136	0.0135
After Humidity										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0131	0.0133	0.0140	0.0135	0.0135	0.0139	0.0135	0.0135	0.0135	0.0135
2	0.0131	0.0136	0.0139	0.0134	0.0136	0.0135	0.0139	0.0135	0.0132	0.0129

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

3	0.0137	0.0128	0.0143	0.0139	0.0135	0.0138	0.0135	0.0139	0.0132	0.0133
4	0.0132	0.0130	0.0136	0.0134	0.0132	0.0132	0.0135	0.0141	0.0142	0.0132
5	0.0135	0.0135	0.0139	0.0136	0.0136	0.0143	0.0137	0.0137	0.0139	0.0137
6	0.0133	0.0132	0.0136	0.0136	0.0144	0.0135	0.0137	0.0141	0.0135	0.0133
7	0.0138	0.0135	0.0136	0.0129	0.0139	0.0139	0.0141	0.0134	0.0137	0.0136
8	0.0134	0.0136	0.0137	0.0136	0.0141	0.0140	0.0140	0.0143	0.0139	0.0132
9	0.0135	0.0134	0.0138	0.0140	0.0136	0.0132	0.0135	0.0137	0.0133	0.0133
10	0.0136	0.0135	0.0139	0.0133	0.0134	0.0139	0.0138	0.0139	0.0138	0.0133
11	0.0136	0.0137	0.0139	0.0133	0.0137	0.0142	0.0137	0.0140	0.0139	0.0135
12	0.0133	0.0135	0.0139	0.0135	0.0138	0.0141	0.0140	0.0136	0.0135	0.0133
13	0.0129	0.0135	0.0143	0.0136	0.0135	0.0139	0.0135	0.0135	0.0135	0.0139
14	0.0135	0.0132	0.0134	0.0133	0.0134	0.0137	0.0141	0.0135	0.0137	0.0132
15	0.0142	0.0134	0.0135	0.0135	0.0140	0.0140	0.0137	0.0136	0.0131	0.0135
16	0.0135	0.0130	0.0135	0.0135	0.0136	0.0136	0.0138	0.0142	0.0137	0.0132
17	0.0134	0.0139	0.0132	0.0132	0.0134	0.0138	0.0139	0.0136	0.0133	0.0135
18	0.0135	0.0129	0.0136	0.0139	0.0140	0.0132	0.0136	0.0141	0.0136	0.0131
19	0.0135	0.0135	0.0139	0.0138	0.0139	0.0137	0.0134	0.0135	0.0133	0.0133
20	0.0135	0.0125	0.0135	0.0135	0.0136	0.0131	0.0135	0.0137	0.0132	0.0130
21	0.0133	0.0135	0.0132	0.0135	0.0139	0.0134	0.0138	0.0139	0.0131	0.0132
22	0.0138	0.0135	0.0136	0.0136	0.0138	0.0134	0.0142	0.0141	0.0132	0.0132
23	0.0138	0.0130	0.0138	0.0135	0.0135	0.0137	0.0135	0.0135	0.0135	0.0136
24	0.0136	0.0133	0.0136	0.0134	0.0132	0.0138	0.0143	0.0138	0.0137	0.0130
25	0.0136	0.0136	0.0136	0.0135	0.0137	0.0140	0.0135	0.0135	0.0132	0.0132
26	0.0141	0.0130	0.0133	0.0135	0.0135	0.0138	0.0134	0.0133	0.0139	0.0135
27	0.0134	0.0139	0.0136	0.0134	0.0131	0.0133	0.0134	0.0136	0.0135	0.0132
28	0.0137	0.0133	0.0134	0.0136	0.0136	0.0137	0.0140	0.0138	0.0134	0.0132
29	0.0134	0.0135	0.0136	0.0136	0.0138	0.0139	0.0137	0.0133	0.0135	0.0135
30	0.0136	0.0131	0.0134	0.0138	0.0132	0.0132	0.0135	0.0136	0.0135	0.0131
31	0.0136	0.0134	0.0135	0.0136	0.0134	0.0131	0.0135	0.0138	0.0135	0.0134
32	0.0135	0.0132	0.0139	0.0135	0.0132	0.0135	0.0136	0.0140	0.0135	0.0132
33	0.0134	0.0134	0.0135	0.0138	0.0137	0.0137	0.0142	0.0139	0.0137	0.0140
34	0.0130	0.0132	0.0135	0.0135	0.0139	0.0130	0.0140	0.0138	0.0133	0.0132
35	0.0137	0.0134	0.0132	0.0132	0.0132	0.0135	0.0135	0.0138	0.0137	0.0135
36	0.0135	0.0126	0.0135	0.0135	0.0137	0.0135	0.0141	0.0140	0.0135	0.0130
37	0.0134	0.0133	0.0135	0.0135	0.0137	0.0139	0.0136	0.0136	0.0137	0.0135
38	0.0137	0.0133	0.0138	0.0139	0.0136	0.0134	0.0138	0.0137	0.0134	0.0138
39	0.0137	0.0135	0.0135	0.0137	0.0135	0.0135	0.0132	0.0137	0.0136	0.0132
40	0.0136	0.0135	0.0134	0.0134	0.0132	0.0135	0.0138	0.0139	0.0135	0.0136
41	0.0135	0.0137	0.0136	0.0139	0.0135	0.0137	0.0134	0.0138	0.0135	0.0138
42	0.0128	0.0135	0.0138	0.0135	0.0139	0.0134	0.0140	0.0139	0.0134	0.0128
43	0.0135	0.0132	0.0139	0.0135	0.0135	0.0139	0.0135	0.0135	0.0134	0.0133
44	0.0135	0.0132	0.0135	0.0133	0.0138	0.0138	0.0135	0.0141	0.0135	0.0128
45	0.0132	0.0135	0.0133	0.0132	0.0132	0.0141	0.0132	0.0136	0.0133	0.0132
46	0.0135	0.0126	0.0134	0.0133	0.0135	0.0137	0.0139	0.0135	0.0132	0.0133
47	0.0136	0.0128	0.0135	0.0137	0.0136	0.0133	0.0135	0.0138	0.0135	0.0134
48	0.0139	0.0132	0.0141	0.0135	0.0134	0.0134	0.0137	0.0138	0.0132	0.0132
49	0.0137	0.0127	0.0138	0.0135	0.0135	0.0133	0.0133	0.0137	0.0135	0.0142
50	0.0136	0.0132	0.0134	0.0136	0.0139	0.0132	0.0137	0.0139	0.0142	0.0140

Initial										
Measurements in inches			"Y" Direction							
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0125	0.0128	0.0134	0.0129	0.0131	0.0131	0.0132	0.0130	0.0128	0.0129
2	0.0127	0.0129	0.0131	0.0130	0.0135	0.0128	0.0135	0.0132	0.0130	0.0127

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

3	0.0132	0.0127	0.0134	0.0131	0.0130	0.0128	0.0132	0.0132	0.0132	0.0126
4	0.0128	0.0126	0.0134	0.0130	0.0131	0.0127	0.0132	0.0133	0.0131	0.0126
5	0.0130	0.0129	0.0134	0.0130	0.0132	0.0131	0.0132	0.0134	0.0130	0.0128
6	0.0129	0.0127	0.0132	0.0131	0.0135	0.0131	0.0134	0.0134	0.0129	0.0130
7	0.0130	0.0126	0.0131	0.0132	0.0131	0.0131	0.0131	0.0134	0.0129	0.0130
8	0.0128	0.0127	0.0132	0.0133	0.0133	0.0129	0.0133	0.0133	0.0131	0.0127
9	0.0129	0.0129	0.0134	0.0131	0.0132	0.0133	0.0132	0.0132	0.0128	0.0130
10	0.0127	0.0129	0.0133	0.0131	0.0133	0.0130	0.0136	0.0133	0.0129	0.0127
11	0.0133	0.0128	0.0133	0.0131	0.0133	0.0130	0.0131	0.0131	0.0130	0.0128
12	0.0131	0.0127	0.0132	0.0132	0.0131	0.0128	0.0132	0.0133	0.0131	0.0125
13	0.0128	0.0129	0.0135	0.0129	0.0131	0.0132	0.0132	0.0130	0.0128	0.0130
14	0.0129	0.0128	0.0133	0.0129	0.0133	0.0130	0.0135	0.0132	0.0129	0.0128
15	0.0132	0.0128	0.0133	0.0131	0.0130	0.0130	0.0131	0.0131	0.0129	0.0128
16	0.0130	0.0126	0.0133	0.0131	0.0133	0.0129	0.0131	0.0135	0.0130	0.0125
17	0.0129	0.0127	0.0133	0.0131	0.0132	0.0131	0.0130	0.0132	0.0128	0.0130
18	0.0129	0.0128	0.0133	0.0130	0.0134	0.0131	0.0134	0.0135	0.0128	0.0128
19	0.0131	0.0127	0.0132	0.0131	0.0131	0.0129	0.0130	0.0133	0.0130	0.0126
20	0.0131	0.0127	0.0133	0.0132	0.0132	0.0129	0.0133	0.0134	0.0129	0.0126
21	0.0128	0.0127	0.0134	0.0130	0.0132	0.0131	0.0131	0.0132	0.0128	0.0128
22	0.0130	0.0126	0.0135	0.0130	0.0135	0.0129	0.0135	0.0134	0.0129	0.0126
23	0.0134	0.0128	0.0133	0.0133	0.0131	0.0131	0.0131	0.0131	0.0130	0.0126
24	0.0133	0.0126	0.0132	0.0130	0.0132	0.0127	0.0133	0.0135	0.0133	0.0129
25	0.0131	0.0127	0.0134	0.0132	0.0131	0.0130	0.0132	0.0131	0.0130	0.0129
26	0.0132	0.0127	0.0132	0.0130	0.0133	0.0130	0.0135	0.0134	0.0128	0.0127
27	0.0131	0.0125	0.0132	0.0134	0.0132	0.0129	0.0132	0.0133	0.0131	0.0129
28	0.0135	0.0125	0.0132	0.0132	0.0134	0.0131	0.0133	0.0136	0.0129	0.0126
29	0.0130	0.0127	0.0134	0.0130	0.0132	0.0131	0.0134	0.0131	0.0128	0.0129
30	0.0130	0.0127	0.0134	0.0130	0.0132	0.0132	0.0133	0.0134	0.0129	0.0128
31	0.0129	0.0127	0.0132	0.0134	0.0133	0.0131	0.0132	0.0133	0.0131	0.0127
32	0.0130	0.0127	0.0133	0.0131	0.0132	0.0130	0.0134	0.0133	0.0129	0.0125
33	0.0127	0.0127	0.0132	0.0129	0.0132	0.0131	0.0133	0.0133	0.0130	0.0128
34	0.0129	0.0127	0.0133	0.0131	0.0133	0.0131	0.0135	0.0134	0.0128	0.0128
35	0.0129	0.0126	0.0132	0.0131	0.0131	0.0130	0.0132	0.0132	0.0132	0.0128
36	0.0131	0.0126	0.0132	0.0130	0.0133	0.0129	0.0134	0.0138	0.0130	0.0126
37	0.0130	0.0128	0.0131	0.0131	0.0133	0.0129	0.0132	0.0133	0.0131	0.0129
38	0.0130	0.0127	0.0133	0.0130	0.0133	0.0131	0.0133	0.0135	0.0127	0.0127
39	0.0130	0.0126	0.0129	0.0132	0.0133	0.0128	0.0132	0.0133	0.0130	0.0126
40	0.0130	0.0128	0.0133	0.0130	0.0133	0.0132	0.0132	0.0135	0.0129	0.0126
41	0.0128	0.0127	0.0131	0.0130	0.0131	0.0130	0.0132	0.0131	0.0128	0.0126
42	0.0130	0.0129	0.0133	0.0131	0.0133	0.0132	0.0134	0.0134	0.0128	0.0129
43	0.0130	0.0127	0.0133	0.0130	0.0133	0.0131	0.0132	0.0134	0.0131	0.0127
44	0.0132	0.0127	0.0133	0.0131	0.0131	0.0130	0.0133	0.0135	0.0131	0.0126
45	0.0129	0.0126	0.0133	0.0131	0.0133	0.0129	0.0131	0.0132	0.0129	0.0127
46	0.0128	0.0128	0.0133	0.0130	0.0132	0.0133	0.0134	0.0131	0.0127	0.0129
47	0.0131	0.0126	0.0131	0.0131	0.0132	0.0128	0.0133	0.0134	0.0129	0.0128
48	0.0131	0.0126	0.0131	0.0134	0.0133	0.0132	0.0130	0.0134	0.0129	0.0126
49	0.0128	0.0126	0.0132	0.0129	0.0132	0.0130	0.0131	0.0134	0.0127	0.0129
50	0.0132	0.0126	0.0132	0.0129	0.0133	0.0133	0.0134	0.0132	0.0128	0.0127
After 100 Cycles										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0131	0.0130	0.0134	0.0135	0.0132	0.0135	0.0134	0.0134	0.0130	0.0132
2	0.0134	0.0129	0.0132	0.0130	0.0135	0.0131	0.0138	0.0134	0.0131	0.0132
3	0.0132	0.0130	0.0132	0.0132	0.0133	0.0130	0.0136	0.0135	0.0132	0.0130
4	0.0132	0.0128	0.0134	0.0133	0.0134	0.0132	0.0135	0.0133	0.0132	0.0128
5	0.0132	0.0130	0.0132	0.0132	0.0132	0.0132	0.0134	0.0134	0.0133	0.0132

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

6	0.0131	0.0128	0.0133	0.0134	0.0136	0.0133	0.0135	0.0135	0.0133	0.0130
7	0.0132	0.0129	0.0133	0.0132	0.0135	0.0132	0.0135	0.0135	0.0132	0.0131
8	0.0130	0.0130	0.0135	0.0132	0.0136	0.0135	0.0136	0.0136	0.0133	0.0130
9	0.0132	0.0128	0.0132	0.0133	0.0135	0.0135	0.0132	0.0135	0.0131	0.0132
10	0.0132	0.0129	0.0132	0.0132	0.0134	0.0135	0.0138	0.0135	0.0132	0.0130
11	0.0134	0.0132	0.0130	0.0131	0.0134	0.0132	0.0135	0.0133	0.0133	0.0131
12	0.0132	0.0130	0.0134	0.0132	0.0134	0.0132	0.0135	0.0136	0.0134	0.0131
13	0.0132	0.0130	0.0130	0.0128	0.0133	0.0133	0.0133	0.0133	0.0132	0.0132
14	0.0133	0.0128	0.0132	0.0134	0.0135	0.0134	0.0135	0.0136	0.0132	0.0130
15	0.0132	0.0132	0.0132	0.0131	0.0132	0.0133	0.0135	0.0132	0.0131	0.0132
16	0.0132	0.0129	0.0133	0.0132	0.0134	0.0133	0.0132	0.0136	0.0134	0.0131
17	0.0133	0.0129	0.0132	0.0130	0.0131	0.0133	0.0134	0.0134	0.0130	0.0130
18	0.0132	0.0129	0.0132	0.0131	0.0133	0.0132	0.0134	0.0135	0.0131	0.0130
19	0.0133	0.0132	0.0133	0.0134	0.0134	0.0134	0.0134	0.0132	0.0132	0.0130
20	0.0135	0.0128	0.0133	0.0131	0.0133	0.0133	0.0134	0.0136	0.0133	0.0132
21	0.0133	0.0131	0.0132	0.0132	0.0134	0.0134	0.0133	0.0134	0.0131	0.0130
22	0.0136	0.0129	0.0132	0.0133	0.0135	0.0134	0.0135	0.0136	0.0133	0.0128
23	0.0130	0.0131	0.0134	0.0135	0.0132	0.0128	0.0133	0.0132	0.0133	0.0130
24	0.0133	0.0128	0.0132	0.0134	0.0134	0.0130	0.0135	0.0136	0.0132	0.0132
25	0.0133	0.0131	0.0133	0.0132	0.0132	0.0132	0.0133	0.0134	0.0132	0.0132
26	0.0132	0.0129	0.0131	0.0132	0.0133	0.0132	0.0136	0.0132	0.0132	0.0130
27	0.0127	0.0129	0.0133	0.0134	0.0134	0.0131	0.0134	0.0133	0.0131	0.0130
28	0.0136	0.0129	0.0134	0.0131	0.0134	0.0130	0.0135	0.0135	0.0131	0.0127
29	0.0130	0.0128	0.0133	0.0132	0.0135	0.0130	0.0134	0.0133	0.0130	0.0132
30	0.0134	0.0129	0.0133	0.0133	0.0135	0.0132	0.0135	0.0136	0.0131	0.0128
31	0.0131	0.0128	0.0135	0.0134	0.0135	0.0135	0.0135	0.0133	0.0133	0.0129
32	0.0134	0.0132	0.0134	0.0131	0.0132	0.0130	0.0133	0.0135	0.0131	0.0129
33	0.0132	0.0129	0.0132	0.0132	0.0133	0.0134	0.0137	0.0134	0.0133	0.0131
34	0.0130	0.0128	0.0132	0.0133	0.0134	0.0132	0.0135	0.0135	0.0132	0.0130
35	0.0128	0.0129	0.0135	0.0131	0.0132	0.0129	0.0134	0.0134	0.0134	0.0130
36	0.0133	0.0128	0.0135	0.0130	0.0134	0.0131	0.0135	0.0135	0.0131	0.0130
37	0.0131	0.0130	0.0135	0.0130	0.0135	0.0130	0.0134	0.0132	0.0136	0.0133
38	0.0133	0.0129	0.0135	0.0132	0.0132	0.0131	0.0135	0.0137	0.0128	0.0130
39	0.0128	0.0130	0.0135	0.0133	0.0137	0.0132	0.0135	0.0134	0.0133	0.0130
40	0.0132	0.0130	0.0134	0.0132	0.0135	0.0130	0.0133	0.0136	0.0131	0.0127
41	0.0130	0.0130	0.0135	0.0131	0.0133	0.0132	0.0134	0.0133	0.0131	0.0128
42	0.0132	0.0128	0.0132	0.0133	0.0135	0.0130	0.0135	0.0136	0.0130	0.0130
43	0.0131	0.0130	0.0136	0.0131	0.0134	0.0131	0.0135	0.0135	0.0132	0.0127
44	0.0135	0.0127	0.0133	0.0131	0.0134	0.0128	0.0133	0.0138	0.0130	0.0129
45	0.0130	0.0128	0.0133	0.0134	0.0133	0.0132	0.0135	0.0132	0.0134	0.0130
46	0.0132	0.0129	0.0133	0.0131	0.0130	0.0132	0.0133	0.0135	0.0132	0.0128
47	0.0128	0.0128	0.0136	0.0133	0.0130	0.0130	0.0133	0.0137	0.0132	0.0131
48	0.0134	0.0128	0.0135	0.0132	0.0136	0.0130	0.0135	0.0136	0.0128	0.0130
49	0.0132	0.0128	0.0132	0.0132	0.0135	0.0132	0.0135	0.0136	0.0128	0.0132
50	0.0135	0.0128	0.0132	0.0132	0.0134	0.0130	0.0135	0.0134	0.0130	0.0132
After Thermals										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0136	0.0133	0.0127	0.0122	0.0127	0.0129	0.0129	0.0128	0.0128	0.0129
2	0.0135	0.0128	0.0130	0.0130	0.0129	0.0131	0.0130	0.0131	0.0127	0.0134
3	0.0128	0.0126	0.0128	0.0127	0.0127	0.0129	0.0126	0.0129	0.0128	0.0129
4	0.0126	0.0130	0.0130	0.0131	0.0129	0.0128	0.0129	0.0129	0.0132	0.0129
5	0.0135	0.0127	0.0126	0.0128	0.0128	0.0125	0.0132	0.0132	0.0130	0.0128
6	0.0128	0.0130	0.0128	0.0128	0.0131	0.0131	0.0132	0.0134	0.0128	0.0133
7	0.0126	0.0128	0.0128	0.0132	0.0127	0.0128	0.0129	0.0128	0.0127	0.0128
8	0.0124	0.0130	0.0128	0.0129	0.0130	0.0132	0.0129	0.0129	0.0132	0.0133

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

9	0.0132	0.0132	0.0124	0.0129	0.0127	0.0128	0.0131	0.0125	0.0128	0.0128
10	0.0132	0.0128	0.0128	0.0129	0.0131	0.0131	0.0131	0.0128	0.0127	0.0132
11	0.0128	0.0127	0.0124	0.0129	0.0130	0.0132	0.0130	0.0130	0.0125	0.0131
12	0.0127	0.0132	0.0128	0.0132	0.0127	0.0126	0.0128	0.0129	0.0131	0.0128
13	0.0135	0.0130	0.0128	0.0128	0.0126	0.0129	0.0129	0.0131	0.0129	0.0129
14	0.0132	0.0126	0.0128	0.0128	0.0130	0.0128	0.0132	0.0129	0.0128	0.0132
15	0.0130	0.0127	0.0125	0.0131	0.0127	0.0131	0.0132	0.0129	0.0127	0.0127
16	0.0124	0.0135	0.0129	0.0130	0.0129	0.0128	0.0129	0.0128	0.0131	0.0128
17	0.0132	0.0128	0.0132	0.0131	0.0129	0.0132	0.0128	0.0129	0.0131	0.0134
18	0.0132	0.0127	0.0125	0.0130	0.0130	0.0132	0.0134	0.0130	0.0131	0.0131
19	0.0128	0.0127	0.0127	0.0124	0.0129	0.0132	0.0131	0.0130	0.0129	0.0135
20	0.0125	0.0132	0.0131	0.0132	0.0127	0.0128	0.0132	0.0127	0.0130	0.0135
21	0.0136	0.0130	0.0128	0.0131	0.0130	0.0130	0.0128	0.0129	0.0130	0.0133
22	0.0138	0.0127	0.0126	0.0129	0.0128	0.0130	0.0127	0.0130	0.0130	0.0131
23	0.0127	0.0125	0.0128	0.0128	0.0125	0.0132	0.0132	0.0128	0.0128	0.0132
24	0.0126	0.0129	0.0129	0.0132	0.0128	0.0126	0.0128	0.0130	0.0129	0.0127
25	0.0130	0.0127	0.0132	0.0127	0.0127	0.0129	0.0127	0.0128	0.0132	0.0128
26	0.0132	0.0127	0.0125	0.0132	0.0132	0.0128	0.0133	0.0128	0.0130	0.0131
27	0.0128	0.0126	0.0125	0.0131	0.0128	0.0130	0.0131	0.0128	0.0128	0.0132
28	0.0129	0.0133	0.0126	0.0130	0.0127	0.0125	0.0128	0.0129	0.0128	0.0129
29	0.0132	0.0130	0.0128	0.0132	0.0129	0.0128	0.0129	0.0129	0.0129	0.0132
30	0.0128	0.0124	0.0124	0.0129	0.0128	0.0132	0.0129	0.0126	0.0131	0.0132
31	0.0126	0.0125	0.0124	0.0129	0.0127	0.0126	0.0128	0.0132	0.0128	0.0127
32	0.0125	0.0134	0.0128	0.0134	0.0128	0.0132	0.0133	0.0129	0.0132	0.0130
33	0.0137	0.0132	0.0128	0.0129	0.0132	0.0131	0.0130	0.0132	0.0132	0.0130
34	0.0131	0.0128	0.0125	0.0132	0.0131	0.0132	0.0132	0.0130	0.0126	0.0128
35	0.0126	0.0124	0.0126	0.0128	0.0129	0.0131	0.0128	0.0132	0.0129	0.0131
36	0.0125	0.0129	0.0128	0.0131	0.0128	0.0129	0.0130	0.0129	0.0131	0.0128
37	0.0131	0.0134	0.0128	0.0132	0.0132	0.0130	0.0128	0.0128	0.0131	0.0130
38	0.0130	0.0128	0.0126	0.0130	0.0132	0.0128	0.0131	0.0129	0.0127	0.0128
39	0.0127	0.0126	0.0127	0.0128	0.0126	0.0132	0.0136	0.0128	0.0129	0.0130
40	0.0126	0.0128	0.0128	0.0130	0.0129	0.0125	0.0128	0.0127	0.0127	0.0128
41	0.0137	0.0132	0.0127	0.0130	0.0129	0.0127	0.0127	0.0128	0.0128	0.0132
42	0.0135	0.0126	0.0124	0.0131	0.0128	0.0130	0.0132	0.0125	0.0128	0.0129
43	0.0131	0.0127	0.0125	0.0126	0.0128	0.0128	0.0128	0.0130	0.0125	0.0131
44	0.0128	0.0130	0.0130	0.0130	0.0127	0.0130	0.0128	0.0126	0.0132	0.0138
45	0.0132	0.0132	0.0130	0.0130	0.0129	0.0125	0.0134	0.0126	0.0132	0.0144
46	0.0138	0.0127	0.0126	0.0128	0.0129	0.0131	0.0128	0.0134	0.0128	0.0133
47	0.0128	0.0125	0.0124	0.0134	0.0130	0.0128	0.0132	0.0132	0.0131	0.0128
48	0.0130	0.0131	0.0128	0.0131	0.0126	0.0131	0.0132	0.0131	0.0134	0.0129
49	0.0135	0.0129	0.0126	0.0130	0.0132	0.0132	0.0127	0.0129	0.0132	0.0132
50	0.0132	0.0126	0.0128	0.0128	0.0129	0.0132	0.0129	0.0132	0.0132	0.0129
After Humidity										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0132	0.0128	0.0131	0.0131	0.0128	0.0126	0.0130	0.0128	0.0129	0.0130
2	0.0135	0.0131	0.0128	0.0127	0.0124	0.0128	0.0132	0.0132	0.0127	0.0129
3	0.0129	0.0128	0.0126	0.0129	0.0131	0.0135	0.0133	0.0132	0.0129	0.0133
4	0.0130	0.0130	0.0124	0.0130	0.0133	0.0131	0.0133	0.0128	0.0129	0.0131
5	0.0139	0.0131	0.0128	0.0128	0.0128	0.0127	0.0132	0.0132	0.0128	0.0132

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

6	0.0130	0.0128	0.0126	0.0128	0.0128	0.0126	0.0130	0.0130	0.0126	0.0135
7	0.0134	0.0126	0.0128	0.0130	0.0129	0.0131	0.0131	0.0128	0.0128	0.0134
8	0.0127	0.0128	0.0124	0.0132	0.0128	0.0127	0.0128	0.0127	0.0127	0.0130
9	0.0135	0.0129	0.0130	0.0136	0.0126	0.0129	0.0131	0.0128	0.0128	0.0129
10	0.0131	0.0127	0.0129	0.0138	0.0131	0.0129	0.0132	0.0131	0.0130	0.0132
11	0.0133	0.0128	0.0128	0.0135	0.0130	0.0127	0.0132	0.0128	0.0132	0.0132
12	0.0124	0.0129	0.0132	0.0133	0.0128	0.0127	0.0132	0.0129	0.0129	0.0128
13	0.0135	0.0127	0.0129	0.0135	0.0129	0.0131	0.0132	0.0130	0.0131	0.0129
14	0.0133	0.0128	0.0128	0.0134	0.0132	0.0129	0.0131	0.0127	0.0132	0.0132
15	0.0136	0.0134	0.0131	0.0130	0.0130	0.0135	0.0132	0.0129	0.0128	0.0135
16	0.0127	0.0130	0.0125	0.0123	0.0130	0.0135	0.0132	0.0129	0.0123	0.0129
17	0.0138	0.0122	0.0128	0.0132	0.0126	0.0139	0.0132	0.0131	0.0130	0.0127
18	0.0132	0.0132	0.0126	0.0133	0.0128	0.0128	0.0130	0.0133	0.0130	0.0128
19	0.0135	0.0129	0.0128	0.0135	0.0127	0.0131	0.0132	0.0129	0.0131	0.0125
20	0.0127	0.0132	0.0126	0.0124	0.0125	0.0128	0.0132	0.0128	0.0128	0.0130
21	0.0132	0.0128	0.0126	0.0134	0.0126	0.0128	0.0132	0.0131	0.0129	0.0133
22	0.0129	0.0128	0.0124	0.0129	0.0125	0.0120	0.0132	0.0132	0.0131	0.0131
23	0.0129	0.0134	0.0128	0.0128	0.0128	0.0129	0.0132	0.0129	0.0133	0.0132
24	0.0128	0.0132	0.0129	0.0126	0.0128	0.0128	0.0131	0.0130	0.0131	0.0135
25	0.0131	0.0129	0.0127	0.0126	0.0124	0.0128	0.0133	0.0124	0.0132	0.0132
26	0.0117	0.0126	0.0129	0.0128	0.0125	0.0128	0.0128	0.0129	0.0129	0.0132
27	0.0129	0.0126	0.0128	0.0128	0.0124	0.0132	0.0128	0.0127	0.0130	0.0135
28	0.0128	0.0134	0.0131	0.0130	0.0125	0.0139	0.0134	0.0135	0.0130	0.0131
29	0.0128	0.0126	0.0124	0.0132	0.0124	0.0128	0.0127	0.0128	0.0132	0.0130
30	0.0131	0.0127	0.0124	0.0133	0.0127	0.0132	0.0132	0.0129	0.0130	0.0130
31	0.0129	0.0125	0.0132	0.0132	0.0128	0.0131	0.0132	0.0132	0.0129	0.0131
32	0.0128	0.0133	0.0132	0.0129	0.0130	0.0134	0.0135	0.0128	0.0132	0.0133
33	0.0124	0.0129	0.0129	0.0129	0.0123	0.0132	0.0132	0.0128	0.0134	0.0132
34	0.0131	0.0124	0.0118	0.0128	0.0129	0.0124	0.0128	0.0132	0.0122	0.0131
35	0.0123	0.0126	0.0128	0.0129	0.0128	0.0132	0.0128	0.0129	0.0133	0.0138
36	0.0129	0.0132	0.0128	0.0129	0.0127	0.0129	0.0134	0.0130	0.0128	0.0132
37	0.0130	0.0125	0.0131	0.0131	0.0128	0.0131	0.0137	0.0128	0.0135	0.0130
38	0.0130	0.0128	0.0123	0.0131	0.0125	0.0132	0.0129	0.0132	0.0132	0.0129
39	0.0130	0.0127	0.0128	0.0135	0.0130	0.0133	0.0133	0.0128	0.0130	0.0132
40	0.0129	0.0132	0.0129	0.0128	0.0128	0.0129	0.0133	0.0129	0.0128	0.0135
41	0.0133	0.0129	0.0128	0.0128	0.0127	0.0128	0.0128	0.0134	0.0130	0.0130
42	0.0132	0.0130	0.0126	0.0126	0.0130	0.0132	0.0130	0.0128	0.0135	0.0131
43	0.0130	0.0128	0.0125	0.0131	0.0129	0.0128	0.0132	0.0128	0.0127	0.0129
44	0.0123	0.0136	0.0131	0.0126	0.0130	0.0135	0.0137	0.0132	0.0131	0.0132
45	0.0133	0.0132	0.0128	0.0126	0.0130	0.0128	0.0135	0.0133	0.0134	0.0132
46	0.0133	0.0132	0.0124	0.0132	0.0132	0.0128	0.0133	0.0131	0.0135	0.0129
47	0.0132	0.0134	0.0125	0.0128	0.0127	0.0135	0.0132	0.0131	0.0128	0.0125
48	0.0127	0.0130	0.0128	0.0124	0.0132	0.0130	0.0129	0.0129	0.0130	0.0128
49	0.0132	0.0127	0.0132	0.0128	0.0127	0.0128	0.0126	0.0132	0.0135	0.0128
50	0.0134	0.0129	0.0121	0.0128	0.0131	0.0132	0.0128	0.0132	0.0132	0.0135

DATA Continued

CONTACT GAP - 20 x 8 (YFS-20-L3-G-10-SB)

Initial										
Measurements in inches			"X" Direction							
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0135	0.0142	0.0139	0.0139	0.0140	0.0132	0.0139	0.0139	0.0141	0.0140
2	0.0135	0.0141	0.0138	0.0137	0.0135	0.0137	0.0139	0.0138	0.0141	0.0140
3	0.0133	0.0135	0.0134	0.0134	0.0134	0.0133	0.0132	0.0134	0.0137	0.0136
4	0.0133	0.0137	0.0133	0.0133	0.0131	0.0132	0.0131	0.0134	0.0136	0.0136
5	0.0135	0.0143	0.0138	0.0138	0.0140	0.0137	0.0137	0.0139	0.0141	0.0136
6	0.0136	0.0141	0.0136	0.0139	0.0135	0.0136	0.0137	0.0139	0.0138	0.0141
7	0.0132	0.0137	0.0133	0.0131	0.0134	0.0132	0.0133	0.0135	0.0137	0.0133
8	0.0131	0.0135	0.0133	0.0132	0.0131	0.0132	0.0133	0.0135	0.0137	0.0136
9	0.0136	0.0143	0.0138	0.0134	0.0139	0.0135	0.0139	0.0137	0.0142	0.0139
10	0.0134	0.0139	0.0136	0.0135	0.0134	0.0135	0.0137	0.0135	0.0137	0.0137
11	0.0132	0.0136	0.0134	0.0131	0.0132	0.0130	0.0133	0.0134	0.0135	0.0136
12	0.0131	0.0141	0.0133	0.0131	0.0132	0.0132	0.0131	0.0134	0.0136	0.0135
13	0.0136	0.0141	0.0139	0.0133	0.0139	0.0133	0.0136	0.0136	0.0140	0.0140
14	0.0133	0.0140	0.0136	0.0138	0.0138	0.0137	0.0136	0.0135	0.0137	0.0139
15	0.0134	0.0135	0.0134	0.0132	0.0134	0.0130	0.0132	0.0134	0.0138	0.0137
16	0.0129	0.0134	0.0132	0.0129	0.0131	0.0132	0.0135	0.0134	0.0136	0.0136
17	0.0135	0.0139	0.0139	0.0135	0.0136	0.0133	0.0133	0.0133	0.0142	0.0140
18	0.0134	0.0138	0.0135	0.0139	0.0135	0.0133	0.0139	0.0133	0.0141	0.0139
19	0.0134	0.0136	0.0133	0.0132	0.0130	0.0132	0.0130	0.0133	0.0137	0.0136
20	0.0132	0.0134	0.0135	0.0132	0.0132	0.0134	0.0130	0.0133	0.0139	0.0134
After 100 Cycles										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0136	0.0139	0.0140	0.0139	0.0139	0.0140	0.0138	0.0140	0.0138	0.0136
2	0.0136	0.0137	0.0138	0.0140	0.0138	0.0147	0.0139	0.0135	0.0135	0.0136
3	0.0131	0.0134	0.0133	0.0134	0.0134	0.0139	0.0133	0.0132	0.0131	0.0135
4	0.0131	0.0131	0.0132	0.0129	0.0130	0.0135	0.0131	0.0130	0.0137	0.0132
5	0.0135	0.0139	0.0135	0.0140	0.0141	0.0149	0.0136	0.0135	0.0133	0.0132
6	0.0136	0.0133	0.0137	0.0140	0.0136	0.0150	0.0135	0.0136	0.0134	0.0135
7	0.0131	0.0131	0.0131	0.0131	0.0132	0.0140	0.0131	0.0131	0.0132	0.0127
8	0.0131	0.0131	0.0131	0.0131	0.0130	0.0140	0.0131	0.0131	0.0139	0.0130
9	0.0135	0.0138	0.0137	0.0132	0.0137	0.0155	0.0139	0.0138	0.0133	0.0135
10	0.0135	0.0135	0.0135	0.0136	0.0136	0.0143	0.0136	0.0135	0.0134	0.0132
11	0.0131	0.0131	0.0134	0.0130	0.0132	0.0143	0.0134	0.0131	0.0131	0.0130
12	0.0130	0.0130	0.0131	0.0133	0.0130	0.0144	0.0131	0.0130	0.0135	0.0130
13	0.0138	0.0137	0.0139	0.0132	0.0139	0.0154	0.0138	0.0134	0.0137	0.0138
14	0.0133	0.0135	0.0135	0.0138	0.0137	0.0146	0.0135	0.0137	0.0132	0.0137
15	0.0133	0.0131	0.0132	0.0131	0.0132	0.0144	0.0131	0.0131	0.0131	0.0131
16	0.0131	0.0128	0.0130	0.0134	0.0130	0.0155	0.0131	0.0128	0.0140	0.0133
17	0.0135	0.0135	0.0137	0.0135	0.0136	0.0143	0.0136	0.0132	0.0135	0.0140
18	0.0134	0.0132	0.0138	0.0138	0.0135	0.0140	0.0138	0.0136	0.0135	0.0136
19	0.0133	0.0134	0.0133	0.0138	0.0131	0.0142	0.0133	0.0131	0.0134	0.0132
20	0.0132	0.0131	0.0135	0.0133	0.0132	0.0142	0.0130	0.0131	0.0136	0.0135
After Thermals										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

After Humidity										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0147	0.0146	0.0147	0.0140	0.0147	0.0142	0.0141	0.0145	0.0147	0.0141
2	0.0143	0.0145	0.0148	0.0148	0.0143	0.0143	0.0147	0.0140	0.0149	0.0145
3	0.0143	0.0147	0.0148	0.0144	0.0143	0.0143	0.0146	0.0145	0.0146	0.0143
4	0.0143	0.0143	0.0144	0.0145	0.0148	0.0145	0.0142	0.0147	0.0146	0.0142
5	0.0144	0.0143	0.0143	0.0145	0.0143	0.0143	0.0145	0.0146	0.0146	0.0143
6	0.0147	0.0140	0.0145	0.0146	0.0139	0.0147	0.0139	0.0146	0.0147	0.0141
7	0.0145	0.0147	0.0143	0.0142	0.0139	0.0149	0.0139	0.0146	0.0143	0.0141
8	0.0145	0.0143	0.0145	0.0144	0.0140	0.0143	0.0147	0.0142	0.0144	0.0143
9	0.0143	0.0142	0.0141	0.0145	0.0143	0.0144	0.0143	0.0147	0.0143	0.0142
10	0.0144	0.0143	0.0148	0.0146	0.0143	0.0149	0.0149	0.0146	0.0140	0.0145
11	0.0142	0.0141	0.0145	0.0143	0.0145	0.0147	0.0142	0.0143	0.0145	0.0147
12	0.0144	0.0144	0.0139	0.0137	0.0142	0.0143	0.0147	0.0147	0.0144	0.0140
13	0.0142	0.0143	0.0146	0.0143	0.0140	0.0147	0.0143	0.0147	0.0142	0.0147
14	0.0143	0.0145	0.0145	0.0146	0.0147	0.0148	0.0146	0.0145	0.0142	0.0139
15	0.0143	0.0143	0.0144	0.0146	0.0144	0.0147	0.0146	0.0141	0.0149	0.0143
16	0.0144	0.0146	0.0143	0.0143	0.0149	0.0147	0.0147	0.0142	0.0139	0.0139
17	0.0140	0.0143	0.0146	0.0147	0.0144	0.0145	0.0141	0.0141	0.0149	0.0142
18	0.0143	0.0143	0.0142	0.0143	0.0142	0.0139	0.0141	0.0143	0.0143	0.0145
19	0.0141	0.0145	0.0147	0.0143	0.0148	0.0143	0.0147	0.0149	0.0144	0.0136
20	0.0143	0.0142	0.0144	0.0146	0.0145	0.0141	0.0144	0.0144	0.0145	0.0143

Initial										
Measurements in inches		"Y" Direction								
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0144	0.0142	0.0140	0.0139	0.0137	0.0137	0.0140	0.0139	0.0139	0.0135
2	0.0141	0.0141	0.0141	0.0141	0.0137	0.0139	0.0139	0.0139	0.0139	0.0139

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

3	0.0141	0.0141	0.0141	0.0139	0.0141	0.0137	0.0139	0.0139	0.0143	0.0140
4	0.0140	0.0141	0.0140	0.0139	0.0141	0.0137	0.0142	0.0143	0.0139	0.0137
5	0.0142	0.0142	0.0141	0.0140	0.0139	0.0138	0.0139	0.0141	0.0139	0.0142
6	0.0140	0.0142	0.0143	0.0140	0.0139	0.0142	0.0141	0.0136	0.0139	0.0136
7	0.0141	0.0140	0.0140	0.0139	0.0139	0.0136	0.0140	0.0139	0.0140	0.0138
8	0.0139	0.0140	0.0142	0.0139	0.0142	0.0138	0.0139	0.0141	0.0139	0.0141
9	0.0143	0.0140	0.0142	0.0138	0.0139	0.0137	0.0139	0.0140	0.0142	0.0139
10	0.0140	0.0141	0.0141	0.0139	0.0136	0.0139	0.0141	0.0138	0.0142	0.0141
11	0.0141	0.0139	0.0140	0.0139	0.0139	0.0139	0.0137	0.0138	0.0139	0.0142
12	0.0139	0.0140	0.0140	0.0140	0.0141	0.0141	0.0141	0.0139	0.0142	0.0137
13	0.0142	0.0142	0.0143	0.0138	0.0140	0.0139	0.0139	0.0135	0.0141	0.0138
14	0.0141	0.0139	0.0143	0.0143	0.0139	0.0138	0.0140	0.0138	0.0143	0.0142
15	0.0142	0.0139	0.0144	0.0142	0.0139	0.0137	0.0141	0.0138	0.0140	0.0140
16	0.0138	0.0139	0.0140	0.0141	0.0141	0.0136	0.0141	0.0140	0.0139	0.0141
17	0.0143	0.0139	0.0141	0.0140	0.0142	0.0136	0.0139	0.0142	0.0143	0.0142
18	0.0139	0.0140	0.0142	0.0141	0.0143	0.0142	0.0140	0.0142	0.0139	0.0139
19	0.0140	0.0140	0.0141	0.0143	0.0140	0.0138	0.0139	0.0139	0.0141	0.0139
20	0.0140	0.0139	0.0143	0.0139	0.0139	0.0139	0.0140	0.0141	0.0139	0.0136
After 100 Cycles										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0142	0.0143	0.0146	0.0141	0.0146	0.0143	0.0144	0.0141	0.0143	0.0145
2	0.0141	0.0140	0.0142	0.0144	0.0143	0.0146	0.0144	0.0143	0.0142	0.0142
3	0.0144	0.0141	0.0144	0.0143	0.0144	0.0143	0.0143	0.0141	0.0144	0.0144
4	0.0143	0.0143	0.0144	0.0142	0.0143	0.0146	0.0143	0.0145	0.0143	0.0143
5	0.0142	0.0143	0.0141	0.0141	0.0141	0.0142	0.0143	0.0143	0.0145	0.0143
6	0.0140	0.0140	0.0143	0.0141	0.0142	0.0142	0.0143	0.0141	0.0142	0.0141
7	0.0145	0.0144	0.0142	0.0143	0.0145	0.0145	0.0143	0.0143	0.0144	0.0142
8	0.0142	0.0143	0.0144	0.0142	0.0145	0.0144	0.0142	0.0141	0.0143	0.0143
9	0.0143	0.0139	0.0141	0.0140	0.0144	0.0141	0.0143	0.0142	0.0147	0.0142
10	0.0143	0.0139	0.0143	0.0143	0.0142	0.0143	0.0143	0.0146	0.0143	0.0141
11	0.0145	0.0143	0.0142	0.0143	0.0143	0.0143	0.0140	0.0141	0.0143	0.0142
12	0.0142	0.0143	0.0141	0.0142	0.0143	0.0146	0.0145	0.0146	0.0144	0.0142
13	0.0142	0.0142	0.0145	0.0142	0.0146	0.0146	0.0143	0.0143	0.0143	0.0139
14	0.0140	0.0140	0.0142	0.0144	0.0143	0.0145	0.0143	0.0142	0.0145	0.0142
15	0.0143	0.0141	0.0143	0.0146	0.0143	0.0143	0.0145	0.0145	0.0144	0.0143
16	0.0141	0.0141	0.0143	0.0143	0.0143	0.0146	0.0143	0.0142	0.0143	0.0142
17	0.0141	0.0142	0.0141	0.0144	0.0145	0.0140	0.0142	0.0142	0.0145	0.0140
18	0.0140	0.0140	0.0142	0.0145	0.0141	0.0140	0.0143	0.0143	0.0143	0.0143
19	0.0145	0.0143	0.0143	0.0146	0.0144	0.0144	0.0143	0.0145	0.0145	0.0140
20	0.0142	0.0143	0.0143	0.0146	0.0145	0.0146	0.0143	0.0145	0.0143	0.0141
After Thermals										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
After Humidity										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0143	0.0144	0.0142	0.0143	0.0147	0.0142	0.0141	0.0141	0.0141	0.0143
2	0.0139	0.0136	0.0140	0.0143	0.0140	0.0153	0.0143	0.0143	0.0139	0.0142
3	0.0136	0.0134	0.0137	0.0136	0.0139	0.0143	0.0139	0.0137	0.0135	0.0138
4	0.0139	0.0134	0.0136	0.0139	0.0135	0.0139	0.0133	0.0134	0.0134	0.0138
5	0.0147	0.0139	0.0143	0.0143	0.0143	0.0150	0.0143	0.0142	0.0142	0.0137
6	0.0143	0.0136	0.0140	0.0142	0.0139	0.0151	0.0140	0.0138	0.0137	0.0139
7	0.0131	0.0138	0.0138	0.0135	0.0135	0.0143	0.0135	0.0136	0.0135	0.0132
8	0.0134	0.0135	0.0138	0.0133	0.0132	0.0146	0.0134	0.0134	0.0134	0.0133
9	0.0143	0.0139	0.0140	0.0139	0.0142	0.0154	0.0143	0.0142	0.0143	0.0140
10	0.0141	0.0138	0.0139	0.0138	0.0137	0.0147	0.0142	0.0139	0.0142	0.0137
11	0.0131	0.0133	0.0139	0.0133	0.0136	0.0143	0.0137	0.0133	0.0140	0.0133
12	0.0130	0.0137	0.0132	0.0135	0.0135	0.0145	0.0135	0.0132	0.0133	0.0135
13	0.0138	0.0142	0.0143	0.0134	0.0139	0.0147	0.0139	0.0138	0.0139	0.0137
14	0.0134	0.0141	0.0141	0.0136	0.0140	0.0157	0.0139	0.0140	0.0143	0.0136
15	0.0137	0.0132	0.0135	0.0134	0.0135	0.0147	0.0136	0.0133	0.0135	0.0135
16	0.0137	0.0132	0.0138	0.0134	0.0139	0.0146	0.0135	0.0137	0.0134	0.0139
17	0.0141	0.0142	0.0145	0.0141	0.0138	0.0154	0.0139	0.0140	0.0143	0.0145
18	0.0138	0.0138	0.0140	0.0138	0.0139	0.0149	0.0139	0.0142	0.0139	0.0143
19	0.0138	0.0132	0.0137	0.0135	0.0133	0.0143	0.0133	0.0132	0.0136	0.0136
20	0.0139	0.0138	0.0139	0.0134	0.0139	0.0152	0.0135	0.0134	0.0140	0.0145

CONTACT GAP - 20 x 8 (YFS-20-03-G-10-SB)

Initial										
Measurements in inches			"X" Direction							
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0123	0.0122	0.0124	0.0122	0.0123	0.0123	0.0125	0.0123	0.0121	0.0122
2	0.0123	0.0119	0.0123	0.0120	0.0123	0.0122	0.0124	0.0124	0.0119	0.0121
3	0.0124	0.0120	0.0125	0.0119	0.0122	0.0122	0.0126	0.0122	0.0121	0.0124
4	0.0124	0.0122	0.0123	0.0119	0.0122	0.0125	0.0123	0.0125	0.0121	0.0123
5	0.0122	0.0120	0.0124	0.0117	0.0123	0.0123	0.0125	0.0123	0.0120	0.0123
6	0.0124	0.0120	0.0124	0.0119	0.0123	0.0124	0.0122	0.0125	0.0119	0.0121
7	0.0122	0.0118	0.0123	0.0119	0.0122	0.0124	0.0125	0.0122	0.0120	0.0122
8	0.0124	0.0118	0.0120	0.0120	0.0119	0.0124	0.0122	0.0122	0.0118	0.0121
9	0.0124	0.0119	0.0124	0.0118	0.0123	0.0123	0.0123	0.0124	0.0119	0.0122
10	0.0120	0.0117	0.0123	0.0120	0.0124	0.0124	0.0123	0.0123	0.0120	0.0122
11	0.0123	0.0120	0.0123	0.0117	0.0124	0.0122	0.0124	0.0124	0.0120	0.0122
12	0.0123	0.0118	0.0123	0.0120	0.0122	0.0124	0.0124	0.0123	0.0119	0.0123
13	0.0123	0.0118	0.0126	0.0119	0.0122	0.0123	0.0125	0.0123	0.0119	0.0124
14	0.0123	0.0120	0.0125	0.0118	0.0123	0.0123	0.0124	0.0122	0.0119	0.0123

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

15	0.0122	0.0118	0.0124	0.0118	0.0121	0.0125	0.0124	0.0122	0.0121	0.0125
16	0.0125	0.0118	0.0123	0.0119	0.0119	0.0123	0.0123	0.0123	0.0118	0.0122
17	0.0124	0.0118	0.0122	0.0117	0.0123	0.0124	0.0123	0.0123	0.0120	0.0120
18	0.0122	0.0120	0.0124	0.0118	0.0123	0.0123	0.0121	0.0123	0.0119	0.0122
19	0.0125	0.0117	0.0123	0.0120	0.0123	0.0123	0.0123	0.0123	0.0119	0.0118
20	0.0123	0.0116	0.0124	0.0122	0.0124	0.0123	0.0123	0.0122	0.0117	0.0119
After 100 Cycles										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0126	0.0124	0.0128	0.0126	0.0127	0.0132	0.0134	0.0133	0.0129	0.0125
2	0.0124	0.0129	0.0123	0.0126	0.0124	0.0131	0.0126	0.0131	0.0124	0.0122
3	0.0127	0.0126	0.0125	0.0126	0.0125	0.0131	0.0128	0.0125	0.0130	0.0124
4	0.0126	0.0124	0.0124	0.0125	0.0126	0.0130	0.0124	0.0127	0.0129	0.0124
5	0.0125	0.0124	0.0125	0.0124	0.0124	0.0128	0.0125	0.0125	0.0126	0.0128
6	0.0126	0.0125	0.0126	0.0126	0.0125	0.0128	0.0126	0.0124	0.0123	0.0128
7	0.0123	0.0124	0.0124	0.0123	0.0124	0.0128	0.0127	0.0125	0.0124	0.0124
8	0.0123	0.0128	0.0124	0.0123	0.0126	0.0129	0.0125	0.0123	0.0129	0.0121
9	0.0124	0.0125	0.0127	0.0124	0.0125	0.0127	0.0126	0.0125	0.0124	0.0126
10	0.0121	0.0122	0.0125	0.0124	0.0128	0.0124	0.0125	0.0126	0.0122	0.0124
11	0.0124	0.0128	0.0123	0.0124	0.0124	0.0125	0.0125	0.0124	0.0128	0.0125
12	0.0124	0.0131	0.0124	0.0126	0.0124	0.0125	0.0124	0.0123	0.0129	0.0123
13	0.0124	0.0124	0.0124	0.0125	0.0124	0.0126	0.0127	0.0125	0.0126	0.0131
14	0.0124	0.0123	0.0125	0.0124	0.0124	0.0125	0.0126	0.0125	0.0123	0.0123
15	0.0126	0.0124	0.0124	0.0124	0.0124	0.0127	0.0125	0.0125	0.0128	0.0126
16	0.0128	0.0126	0.0124	0.0123	0.0128	0.0125	0.0124	0.0127	0.0124	0.0122
17	0.0125	0.0128	0.0125	0.0124	0.0127	0.0128	0.0125	0.0128	0.0126	0.0125
18	0.0123	0.0125	0.0128	0.0124	0.0126	0.0128	0.0126	0.0128	0.0123	0.0124
19	0.0126	0.0127	0.0124	0.0125	0.0125	0.0127	0.0126	0.0124	0.0125	0.0124
20	0.0124	0.0126	0.0124	0.0126	0.0127	0.0125	0.0126	0.0127	0.0125	0.0126
After Thermals										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0133	0.0135	0.0137	0.0132	0.0136	0.0134	0.0137	0.0136	0.0136	0.0135
2	0.0133	0.0135	0.0138	0.0136	0.0137	0.0136	0.0139	0.0133	0.0135	0.0134
3	0.0132	0.0134	0.0136	0.0135	0.0135	0.0137	0.0133	0.0135	0.0135	0.0139
4	0.0135	0.0133	0.0135	0.0136	0.0134	0.0135	0.0136	0.0140	0.0135	0.0139
5	0.0132	0.0136	0.0138	0.0136	0.0136	0.0141	0.0137	0.0136	0.0137	0.0133
6	0.0131	0.0139	0.0138	0.0136	0.0136	0.0139	0.0138	0.0136	0.0135	0.0135
7	0.0133	0.0135	0.0136	0.0134	0.0132	0.0137	0.0135	0.0136	0.0134	0.0138
8	0.0137	0.0132	0.0136	0.0133	0.0134	0.0136	0.0135	0.0140	0.0133	0.0137
9	0.0137	0.0136	0.0137	0.0135	0.0139	0.0138	0.0136	0.0134	0.0135	0.0135
10	0.0135	0.0135	0.0136	0.0138	0.0136	0.0139	0.0137	0.0135	0.0137	0.0135
11	0.0135	0.0133	0.0136	0.0135	0.0134	0.0136	0.0135	0.0140	0.0135	0.0135
12	0.0135	0.0134	0.0132	0.0133	0.0134	0.0135	0.0135	0.0138	0.0133	0.0138
13	0.0132	0.0136	0.0135	0.0137	0.0135	0.0136	0.0135	0.0136	0.0132	0.0135
14	0.0132	0.0136	0.0138	0.0135	0.0137	0.0139	0.0135	0.0135	0.0135	0.0135
15	0.0137	0.0134	0.0131	0.0132	0.0132	0.0136	0.0135	0.0138	0.0135	0.0138
16	0.0137	0.0135	0.0134	0.0138	0.0134	0.0135	0.0132	0.0137	0.0135	0.0137
17	0.0134	0.0135	0.0137	0.0135	0.0139	0.0135	0.0139	0.0140	0.0139	0.0136
18	0.0135	0.0134	0.0138	0.0139	0.0136	0.0139	0.0138	0.0135	0.0135	0.0135
19	0.0135	0.0131	0.0135	0.0132	0.0135	0.0134	0.0134	0.0138	0.0128	0.0141
20	0.0135	0.0132	0.0134	0.0134	0.0134	0.0137	0.0136	0.0138	0.0133	0.0139
After Humidity										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0131	0.0135	0.0136	0.0132	0.0136	0.0135	0.0132	0.0136	0.0134	0.0131

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

2	0.0130	0.0135	0.0139	0.0134	0.0138	0.0139	0.0137	0.0135	0.0132	0.0135
3	0.0135	0.0134	0.0138	0.0133	0.0137	0.0138	0.0133	0.0133	0.0134	0.0132
4	0.0136	0.0131	0.0135	0.0128	0.0132	0.0137	0.0132	0.0139	0.0131	0.0134
5	0.0128	0.0135	0.0135	0.0133	0.0132	0.0137	0.0135	0.0140	0.0135	0.0134
6	0.0133	0.0134	0.0134	0.0135	0.0134	0.0133	0.0135	0.0135	0.0131	0.0133
7	0.0135	0.0135	0.0132	0.0129	0.0131	0.0136	0.0130	0.0139	0.0131	0.0134
8	0.0135	0.0133	0.0134	0.0131	0.0132	0.0133	0.0133	0.0135	0.0129	0.0134
9	0.0132	0.0135	0.0133	0.0133	0.0135	0.0139	0.0129	0.0143	0.0134	0.0132
10	0.0134	0.0134	0.0134	0.0132	0.0135	0.0137	0.0136	0.0137	0.0136	0.0135
11	0.0134	0.0131	0.0132	0.0130	0.0131	0.0132	0.0129	0.0135	0.0129	0.0132
12	0.0131	0.0129	0.0132	0.0132	0.0134	0.0135	0.0129	0.0135	0.0130	0.0132
13	0.0131	0.0131	0.0134	0.0133	0.0133	0.0135	0.0135	0.0135	0.0134	0.0130
14	0.0128	0.0134	0.0133	0.0134	0.0133	0.0129	0.0132	0.0137	0.0135	0.0135
15	0.0132	0.0130	0.0134	0.0132	0.0132	0.0135	0.0132	0.0132	0.0133	0.0139
16	0.0133	0.0132	0.0131	0.0130	0.0135	0.0134	0.0128	0.0133	0.0133	0.0140
17	0.0132	0.0133	0.0132	0.0132	0.0135	0.0137	0.0136	0.0135	0.0135	0.0139
18	0.0134	0.0143	0.0136	0.0134	0.0133	0.0136	0.0132	0.0134	0.0132	0.0132
19	0.0139	0.0138	0.0130	0.0132	0.0133	0.0134	0.0131	0.0135	0.0128	0.0138
20	0.0132	0.0132	0.0131	0.0130	0.0131	0.0135	0.0134	0.0134	0.0128	0.0139

Initial										
Measurements in inches			"Y" Direction							
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0125	0.0129	0.0126	0.0126	0.0128	0.0127	0.0126	0.0129	0.0127	0.0127
2	0.0130	0.0128	0.0126	0.0127	0.0126	0.0129	0.0127	0.0125	0.0127	0.0129
3	0.0128	0.0127	0.0125	0.0123	0.0125	0.0127	0.0124	0.0126	0.0128	0.0127
4	0.0129	0.0126	0.0124	0.0124	0.0126	0.0127	0.0123	0.0125	0.0129	0.0126
5	0.0124	0.0128	0.0130	0.0125	0.0128	0.0132	0.0128	0.0130	0.0124	0.0129
6	0.0126	0.0130	0.0127	0.0127	0.0130	0.0129	0.0126	0.0128	0.0126	0.0127
7	0.0128	0.0125	0.0126	0.0124	0.0129	0.0127	0.0123	0.0127	0.0127	0.0126
8	0.0131	0.0126	0.0125	0.0124	0.0126	0.0128	0.0124	0.0125	0.0128	0.0125
9	0.0128	0.0129	0.0128	0.0127	0.0129	0.0130	0.0126	0.0128	0.0125	0.0127
10	0.0130	0.0126	0.0128	0.0128	0.0129	0.0129	0.0127	0.0128	0.0130	0.0129
11	0.0129	0.0125	0.0126	0.0123	0.0124	0.0129	0.0126	0.0127	0.0128	0.0126
12	0.0128	0.0125	0.0125	0.0127	0.0125	0.0127	0.0129	0.0125	0.0130	0.0125
13	0.0127	0.0129	0.0129	0.0128	0.0128	0.0127	0.0128	0.0127	0.0126	0.0128
14	0.0125	0.0127	0.0127	0.0126	0.0130	0.0128	0.0127	0.0128	0.0126	0.0128
15	0.0128	0.0125	0.0125	0.0123	0.0126	0.0128	0.0127	0.0128	0.0129	0.0126
16	0.0131	0.0126	0.0125	0.0124	0.0127	0.0128	0.0123	0.0126	0.0130	0.0126
17	0.0125	0.0126	0.0128	0.0127	0.0128	0.0130	0.0128	0.0129	0.0125	0.0128
18	0.0128	0.0128	0.0129	0.0129	0.0128	0.0129	0.0126	0.0130	0.0126	0.0127
19	0.0128	0.0125	0.0125	0.0125	0.0127	0.0126	0.0126	0.0125	0.0127	0.0126
20	0.0129	0.0124	0.0124	0.0126	0.0128	0.0129	0.0122	0.0125	0.0129	0.0126
After 100 Cycles										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0128	0.0130	0.0134	0.0131	0.0130	0.0131	0.0132	0.0135	0.0130	0.0132
2	0.0129	0.0128	0.0132	0.0132	0.0128	0.0132	0.0132	0.0132	0.0131	0.0134
3	0.0131	0.0132	0.0132	0.0130	0.0128	0.0132	0.0128	0.0132	0.0133	0.0133
4	0.0134	0.0133	0.0131	0.0129	0.0130	0.0132	0.0127	0.0132	0.0133	0.0131

Tracking Code: TC0642--1188

Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB

Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB

5	0.0130	0.0130	0.0132	0.0130	0.0128	0.0138	0.0134	0.0135	0.0131	0.0134
6	0.0130	0.0131	0.0134	0.0131	0.0131	0.0134	0.0130	0.0136	0.0130	0.0133
7	0.0132	0.0128	0.0132	0.0129	0.0127	0.0135	0.0129	0.0133	0.0133	0.0132
8	0.0132	0.0133	0.0128	0.0129	0.0128	0.0131	0.0131	0.0132	0.0133	0.0130
9	0.0130	0.0128	0.0132	0.0131	0.0132	0.0135	0.0132	0.0133	0.0131	0.0132
10	0.0131	0.0129	0.0134	0.0133	0.0132	0.0135	0.0133	0.0135	0.0132	0.0133
11	0.0134	0.0133	0.0132	0.0127	0.0128	0.0130	0.0125	0.0132	0.0130	0.0129
12	0.0133	0.0132	0.0128	0.0129	0.0129	0.0134	0.0131	0.0130	0.0130	0.0131
13	0.0130	0.0131	0.0132	0.0131	0.0131	0.0134	0.0134	0.0132	0.0129	0.0131
14	0.0127	0.0132	0.0132	0.0129	0.0130	0.0135	0.0132	0.0131	0.0129	0.0131
15	0.0132	0.0133	0.0130	0.0129	0.0127	0.0132	0.0130	0.0133	0.0133	0.0130
16	0.0135	0.0134	0.0130	0.0131	0.0129	0.0132	0.0128	0.0130	0.0134	0.0130
17	0.0131	0.0131	0.0133	0.0131	0.0133	0.0132	0.0134	0.0132	0.0130	0.0133
18	0.0130	0.0129	0.0133	0.0135	0.0131	0.0134	0.0133	0.0135	0.0132	0.0130
19	0.0134	0.0133	0.0130	0.0130	0.0131	0.0132	0.0128	0.0130	0.0138	0.0129
20	0.0131	0.0132	0.0130	0.0130	0.0132	0.0131	0.0131	0.0130	0.0135	0.0131
After Thermals										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0132	0.0128	0.0128	0.0131	0.0132	0.0142	0.0138	0.0132	0.0132	0.0135
2	0.0128	0.0130	0.0131	0.0129	0.0132	0.0131	0.0137	0.0133	0.0131	0.0132
3	0.0131	0.0130	0.0129	0.0131	0.0129	0.0135	0.0131	0.0130	0.0131	0.0137
4	0.0134	0.0129	0.0131	0.0131	0.0132	0.0131	0.0132	0.0129	0.0130	0.0134
5	0.0129	0.0133	0.0132	0.0127	0.0130	0.0132	0.0132	0.0130	0.0132	0.0132
6	0.0130	0.0130	0.0132	0.0132	0.0132	0.0131	0.0132	0.0135	0.0129	0.0129
7	0.0131	0.0130	0.0128	0.0132	0.0130	0.0132	0.0132	0.0131	0.0129	0.0132
8	0.0130	0.0128	0.0128	0.0128	0.0132	0.0128	0.0131	0.0128	0.0130	0.0131
9	0.0131	0.0134	0.0131	0.0128	0.0130	0.0132	0.0133	0.0129	0.0132	0.0128
10	0.0128	0.0131	0.0132	0.0129	0.0131	0.0131	0.0133	0.0132	0.0128	0.0127
11	0.0131	0.0131	0.0128	0.0131	0.0131	0.0131	0.0130	0.0132	0.0135	0.0130
12	0.0134	0.0129	0.0130	0.0131	0.0132	0.0130	0.0130	0.0131	0.0136	0.0132
13	0.0129	0.0131	0.0131	0.0129	0.0129	0.0133	0.0131	0.0131	0.0135	0.0133
14	0.0129	0.0137	0.0130	0.0128	0.0129	0.0132	0.0132	0.0135	0.0129	0.0129
15	0.0137	0.0129	0.0128	0.0129	0.0128	0.0134	0.0131	0.0130	0.0134	0.0133
16	0.0136	0.0128	0.0130	0.0132	0.0133	0.0131	0.0130	0.0132	0.0132	0.0131
17	0.0132	0.0133	0.0131	0.0132	0.0131	0.0131	0.0132	0.0130	0.0132	0.0131
18	0.0129	0.0132	0.0133	0.0130	0.0132	0.0130	0.0132	0.0132	0.0131	0.0130
19	0.0132	0.0130	0.0129	0.0131	0.0129	0.0130	0.0136	0.0130	0.0130	0.0132
20	0.0132	0.0128	0.0129	0.0132	0.0132	0.0132	0.0130	0.0130	0.0132	0.0129
After Humidity										
Sample#	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
1	0.0130	0.0128	0.0133	0.0135	0.0132	0.0137	0.0139	0.0137	0.0131	0.0132
2	0.0127	0.0126	0.0127	0.0133	0.0132	0.0135	0.0131	0.0137	0.0128	0.0130
3	0.0131	0.0130	0.0134	0.0132	0.0132	0.0135	0.0131	0.0132	0.0132	0.0132
4	0.0133	0.0127	0.0131	0.0132	0.0132	0.0135	0.0130	0.0133	0.0132	0.0131
5	0.0128	0.0129	0.0132	0.0127	0.0131	0.0133	0.0132	0.0132	0.0126	0.0132
6	0.0128	0.0128	0.0132	0.0131	0.0129	0.0133	0.0127	0.0132	0.0124	0.0128
7	0.0128	0.0128	0.0131	0.0131	0.0129	0.0130	0.0134	0.0133	0.0128	0.0129
8	0.0126	0.0126	0.0128	0.0128	0.0128	0.0133	0.0128	0.0130	0.0125	0.0122
9	0.0128	0.0128	0.0132	0.0130	0.0130	0.0133	0.0131	0.0132	0.0128	0.0127
10	0.0131	0.0128	0.0128	0.0128	0.0131	0.0132	0.0130	0.0132	0.0129	0.0128
11	0.0129	0.0128	0.0132	0.0129	0.0129	0.0131	0.0129	0.0132	0.0130	0.0127
12	0.0132	0.0128	0.0129	0.0128	0.0130	0.0129	0.0130	0.0129	0.0128	0.0126

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

13	0.0130	0.0132	0.0128	0.0129	0.0130	0.0128	0.0132	0.0125	0.0135	0.0129
14	0.0128	0.0127	0.0128	0.0124	0.0125	0.0129	0.0129	0.0129	0.0128	0.0132
15	0.0135	0.0127	0.0130	0.0126	0.0128	0.0132	0.0130	0.0128	0.0130	0.0127
16	0.0135	0.0128	0.0130	0.0128	0.0135	0.0133	0.0128	0.0133	0.0128	0.0132
17	0.0132	0.0128	0.0128	0.0134	0.0130	0.0132	0.0131	0.0135	0.0135	0.0131
18	0.0128	0.0128	0.0126	0.0128	0.0128	0.0132	0.0131	0.0137	0.0130	0.0129
19	0.0132	0.0128	0.0127	0.0130	0.0132	0.0132	0.0131	0.0131	0.0131	0.0130
20	0.0131	0.0129	0.0129	0.0133	0.0131	0.0129	0.0130	0.0135	0.0128	0.0130

MATING/UNMATING - 50 x 10

YFS-50-L3-G-10-SB Mating/Unmating Data

Sample#	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	587.4	36.71	509.3	31.83	1016.3	63.52	959.7	59.98
2	591.8	36.99	502.7	31.42	1130.6	70.66	1061.4	66.34
3	696.2	43.51	588.0	36.75	1108.2	69.26	896.6	56.04
4	707.7	44.23	610.9	38.18	1285.8	80.36	1224.6	76.54
5	707.2	44.20	572.2	35.76	1166.4	72.90	968.0	60.50
6	646.7	40.42	564.0	35.25	1227.8	76.74	1138.6	71.16
7	672.6	42.04	457.0	28.56	1205.0	75.31	1104.0	69.00
8	651.8	40.74	558.7	34.92	1159.2	72.45	1096.8	68.55
9	685.1	42.82	611.0	38.19	1189.1	74.32	1097.3	68.58
10	691.0	43.19	608.8	38.05	1088.0	68.00	997.0	62.31
Sample#	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	448.6	28.04	416.0	26.00	465.8	29.11	438.9	27.43
2	435.5	27.22	394.9	24.68	443.0	27.69	406.7	25.42
3	435.4	27.21	409.6	25.60	445.9	27.87	405.3	25.33
4	480.0	30.00	431.0	26.94	504.6	31.54	458.4	28.65
5	429.8	26.86	417.6	26.10	444.5	27.78	420.0	26.25
6	432.8	27.05	408.3	25.52	451.0	28.19	428.3	26.77
7	437.8	27.36	416.0	26.00	462.2	28.89	443.2	27.70
8	463.0	28.94	454.9	28.43	477.1	29.82	445.3	27.83
9	458.7	28.67	437.1	27.32	481.3	30.08	461.9	28.87
10	446.1	27.88	398.9	24.93	451.2	28.20	410.9	25.68

YFS-50-03-G-10-SB Mating/Unmating Data

Sample#	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	1068.2	66.76	813.4	50.84	1849.8	115.61	1463.8	91.49
2	1211.4	75.71	750.2	46.89	1786.9	111.68	1661.1	103.82
3	978.6	61.16	679.0	42.44	1660.3	103.77	1395.7	87.23
4	1061.4	66.34	767.4	47.96	1908.5	119.28	1669.1	104.32
5	994.9	62.18	766.7	47.92	1741.1	108.82	1510.1	94.38
6	1120.8	70.05	821.6	51.35	1813.0	113.31	1673.4	104.59
7	1056.5	66.03	705.1	44.07	1837.9	114.87	1589.3	99.33
8	986.9	61.68	587.5	36.72	1851.2	115.70	1700.8	106.30
9	1087.8	67.99	667.4	41.71	1607.8	100.49	1365.0	85.31
Sample#	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	761.4	47.59	693.4	43.34	820.5	51.28	694.7	43.42
2	729.0	45.56	658.4	41.15	767.8	47.99	680.2	42.51
3	741.4	46.34	651.8	40.74	785.8	49.11	673.3	42.08
4	722.1	45.13	646.4	40.40	768.3	48.02	695.7	43.48
5	721.8	45.11	650.7	40.67	779.7	48.73	664.3	41.52
6	702.9	43.93	641.6	40.10	748.6	46.79	576.0	36.00
7	693.4	43.34	627.7	39.23	730.6	45.66	652.0	40.75
8	694.4	43.40	626.7	39.17	729.9	45.62	660.2	41.26
9	743.8	46.49	644.5	40.28	762.7	47.67	688.0	43.00
10	730.1	45.63	634.7	39.67	768.2	48.01	635.7	39.73

MATING/UNMATING - 20 x 8**YFS-20-L3-G-10-SB Mating/Unmating Data**

Sample#	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	278.4	17.40	260.2	16.26	492.5	30.78	443.7	27.73
2	283.2	17.70	261.3	16.33	450.9	28.18	407.0	25.44
3	243.4	15.21	243.4	15.21	476.0	29.75	440.3	27.52
4	243.5	15.22	218.7	13.67	419.8	26.24	373.4	23.34
5	205.9	12.87	189.3	11.83	384.6	24.04	338.9	21.18
6	224.0	14.00	198.4	12.40	346.4	21.65	304.6	19.04
7	248.3	15.52	226.7	14.17	432.6	27.04	388.0	24.25
8	261.4	16.34	221.1	13.82	432.0	27.00	356.2	22.26
9	228.0	14.25	222.6	13.91	403.0	25.19	365.3	22.83

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

10	247.4	15.46	227.0	14.19	409.8	25.61	350.7	21.92
Sample#	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	171.5	10.72	134.6	8.41	163.4	10.21	139.8	8.74
2	150.9	9.43	114.9	7.18	186.2	11.64	141.6	8.85
3	135.2	8.45	101.3	6.33	168.3	10.52	150.7	9.42
4	164.0	10.25	131.7	8.23	161.6	10.10	145.1	9.07
5	202.2	12.64	123.2	7.70	150.4	9.40	140.8	8.80
6	115.0	7.19	82.1	5.13	140.6	8.79	129.8	8.11
7	150.2	9.39	107.8	6.74	160.0	10.00	146.9	9.18
8	168.2	10.51	132.3	8.27	160.3	10.02	145.3	9.08
9	154.6	9.66	130.6	8.16	160.5	10.03	142.7	8.92
10	152.2	9.51	138.6	8.66	153.3	9.58	137.8	8.61

YFS-20-L3-G-10-SB Mating/Unmating Data

Sample#	Initial				After 100 Cycles			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	437.0	27.31	321.1	20.07	692.8	43.30	594.7	37.17
2	437.8	27.36	295.8	18.49	593.1	37.07	485.0	30.31
3	452.3	28.27	289.0	18.06	760.3	47.52	596.8	37.30
4	421.1	26.32	270.6	16.91	727.2	45.45	474.4	29.65
5	500.6	31.29	332.0	20.75	731.4	45.71	530.4	33.15
6	422.6	26.41	313.3	19.58	603.4	37.71	506.6	31.66
7	480.0	30.00	345.4	21.59	689.8	43.11	504.6	31.54
8	464.2	29.01	333.3	20.83	678.4	42.40	520.6	32.54
9	483.4	30.21	380.0	23.75	681.8	42.61	645.0	40.31
10	501.0	31.31	379.5	23.72	747.0	46.69	669.1	41.82
Sample#	After Thermal				After Humidity			
	Mating		Unmating		Mating		Unmating	
	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)	Force (Oz)	Force (Lbs)
1	224.2	14.01	202.9	12.68	234.9	14.68	173.4	10.84
2	234.4	14.65	204.0	12.75	226.7	14.17	145.1	9.07
3	237.4	14.84	209.8	13.11	240.0	15.00	169.9	10.62
4	234.2	14.64	202.9	12.68	239.7	14.98	132.0	8.25
5	225.6	14.10	197.0	12.31	234.7	14.67	156.5	9.78
6	204.0	12.75	179.4	11.21	211.4	13.21	177.4	11.09
7	233.1	14.57	200.6	12.54	240.8	15.05	177.4	11.09
8	216.5	13.53	195.2	12.20	228.2	14.26	187.4	11.71
9	218.7	13.67	194.4	12.15	227.5	14.22	182.7	11.42
10	209.0	13.06	193.0	12.06	220.0	13.75	147.0	9.19

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

EQUIPMENT AND CALIBRATION SCHEDULES

Equipment #: THL-02

Description: Temperature/Humidity Chart Recorder

Manufacturer: Dickson

Model: THDX

Serial #: 00120351

Accuracy: Temp: +/- 1C; Humidity: +/-2% RH (0 - 60%) +/- 3% RH (61 - 95%).

... Last Cal: 06/16/06, Next Cal: 06/16/07

Equipment #: TCT-03

Description: Dillon Quantrol TC2 Test Stand

Manufacturer: Dillon Quantrol

Model: TC2

Serial #: 02-1033-03

Accuracy: Speed Accuracy: +/- 5% of indicated speed; Displacement: +/- 5 micrometers.

... Last Cal: 5/12/06, Next Cal: 5/12/07

Equipment #: LC-250N (icell)

Description: 250 Newton load cell for Dillon Quantrol test stand

Manufacturer: Dillon Quantrol

Model: icell

Serial #: 04-0020-08

Accuracy: .10 % of Capacity

... Last Cal: 5/10/2006, Next Cal: 5/10/2007

Equipment #: MV-3

Description: 6"x6" Video Measuring Machine

Manufacturer: Micro-Vu

Model: M301

Serial #: V6815

Accuracy: See Manual

... Last Cal: 03/15/06, Next Cal: 03/15/07

Equipment #: OV-03

Description: Cascade Tek Forced Air Oven

Manufacturer: Cascade Tek

Model: TFO-5

Serial #: 0500100

Accuracy: Temp. Stability: +/- .1C/C change in ambient

... Last Cal: 05/12/06, Next Cal: 05/12/07

Tracking Code: TC0642--1188	Part #: Mating w/ YFT-50-05-G-10-SB & YFT-20-05-G-08-SB
Part description: YFS-50-L3-G-10-SB & YFS-20-L3-G-10-SB	

Equipment #: THC-01
Description: Temperature/Humidity Chamber
Manufacturer: Thermotron
Model: SM-8-7800
Serial #: 30676
Accuracy: See Manual
... Last Cal: 8/18/2006, Next Cal: 8/18/2007

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