



August 22nd, 2023

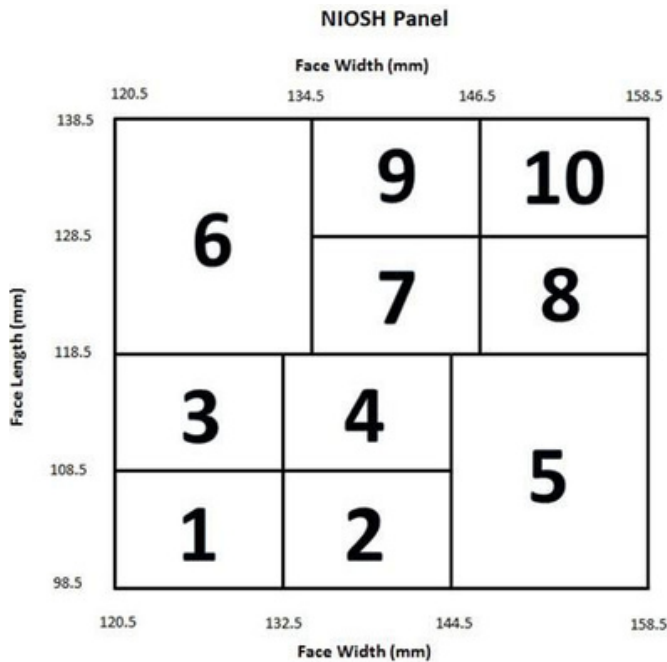
To Whom It May Concern,

To demonstrate the fit of the Model 62220 Full Face Respirator, a fit test using the NIOSH Bivariate Face Size Panel was undertaken. A TSI Portacount Plus Respirator Fit Tester was used to measure the face fit on a panel of subjects.

Seven routine exercises were performed per test subject:

1. Normal breathing
2. Heavy breathing
3. Move head side to side
4. Move head up and down
5. Talking, reading the rainbow passage
6. Light exercise, bending at the waist
7. Normal breathing

All subjects achieved a Fit Factor in excess of 500, indicating that the Model 62220 Full Face Respirator can be used for all facial sizes. Note: certain facial characteristics such as scars etc. may affect the fit of a respirator. Reference information related to the NIOSH Bivariate Test Panel and Test Results is included below.



Individual Member Cell	Standard Size	Population Distribution
1	Small	5.5%
2	Small	5.3%
3	Small	10.5%
4	Medium	25.5%
5	Medium	7.1%
6	Medium	5.7%
7	Medium	21.3%
8	Large	8.7%
9	Large	5.2%
10	Large	3.5%

Any questions, comments, or concerns, please feel free to contact me.

Sincerely,

Tom Allen
 Managing Partner
 Altor Safety, LLC

ALTOR SAFETY

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TEST REPORT SUMMARY

Date: March 23rd, 2023

Report Number: 508

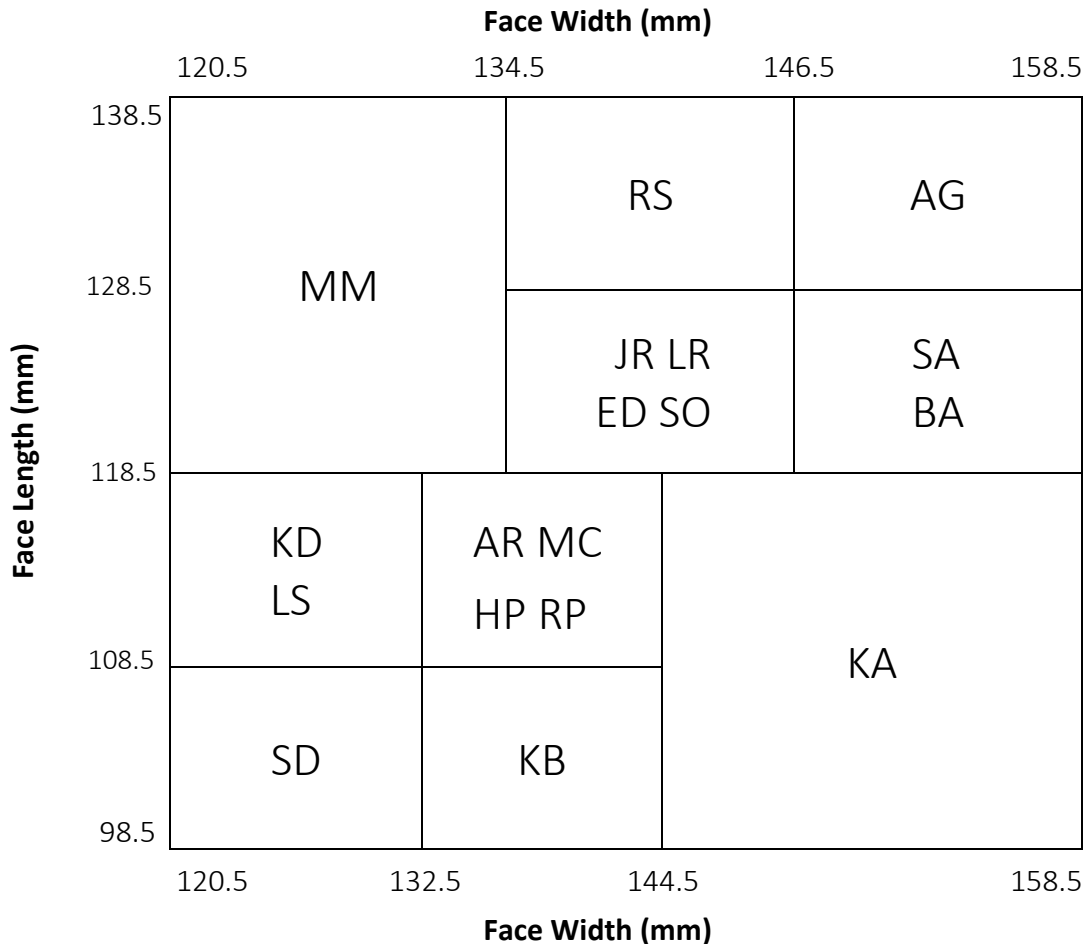
Subject: Face fit test full facepieces 62220

SUMMARY

The full face respirator, model number 62220 fit testing results.

TEST PROCEDURE

A TSI Porto Count was used to measure the face fit on a panel of subjects. The panel used was the NIOSH panel. The pass/fail criterion was set at 500. NIOSH recommends a reading of 500 for full face masks/facepieces.



RESULTS

The TSI Porto Count provides a summary of the test results with an average fit. Each subject passed the test as determined by the average. All subjects passed the overall fit factor with > 500. A summary of the results is outlined below:



Test Subject	Face Length (mm)	Face Width (mm)	Pass/Fail
SD	103	133	Pass
KB	105	135	Pass
KD	115	130	Pass
LS	110	125	Pass
AR	113	140	Pass
MC	116	147	Pass
HP	117	135	Pass
RP	109	144	Pass
KA	115	148	Pass
MM	115	130	Pass
JR	120	146	Pass
LR	122	140	Pass
ED	119	140	Pass
SO	125	144	Pass
SA	120	148	Pass
BA	120	155	Pass
RS	132	140	Pass
AG	135	145	Pass

CONCLUSION

The Altor full face 62220 respirator can be used for all sizes.