

Durability test overview

BuzziFloat | BuzziFloat Cross | BuzziFloat CrossPlus

The BuzziFloat, BuzziFloat Cross and BuzziFloat Cross Plus has been thoroughly tested according to American and European standards: ANSI/BIFMA X5.1, EN16139, EN1022, EN12520 and EN1728. This durability report shows all tests that the BuzziFloat has endured to display its quality, durability and strength. All parts of the seating, with which the user comes into contact, during intended use, is designed to ensure that physical injury and damage are avoided. Official reporting upon request.



BuzziFloat



BuzziFloat Cross



BuzziFloat Cross Plus

The Backrest and Seat

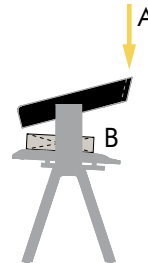
Backrest Strength Test

Static Functional Load Backrest Force = 667 N (A)
Time of test = 60 sec
N° cycle = 1



ANSI/BIFMA X5.1:2017 Par. 6
TEST REPORT: 4788037354.1

Static Proof Load Backrest Force = 1001 N (A)
Time of test = 60 sec
N° cycle = 1



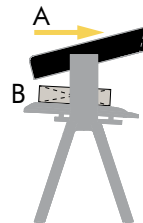
ANSI/BIFMA X5.1:2017 Par. 6
TEST REPORT: 4788037354.1

Static Load Load (Force) = 1800 N (B)
Backrest Force = 900 N (A)
N° cycle = 1

EN 1728: 2012 6.6 (Level 2)
TEST REPORT: 21282528.002

Backrest and Seat Durability Test

Cyclic Load = 109 kg (B)
Backrest Force = 334 N (A)
N° cycle = 80 000
Frequency = 16 cycles / min



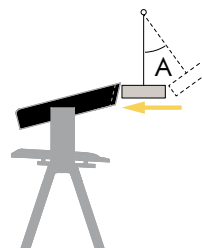
ANSI/BIFMA X5.1:2017 Par. 15
TEST REPORT: 788037354.1

Static Load Load (Force) = 2000 N (B)
Backrest Force = 700 N (A)
N° cycle = 10

EN 1728: 2012 6.4 (Level 2)
TEST REPORT: 21282478.001

Backrest Impact test

Angle of fall = 48°
N° Cycles = 10



EN 1728: 2012 6.25 (Level 2)
TEST REPORT: 1282478.001

Cyclic Load (Force) = 1000 N (B)
Backrest Force = 300 N (A)
N° Cycles = 100 000

EN 1728: 2012 6.17 (Level 2)
TEST REPORT: 21282478.001

Seat Drop Test Dynamic

Functional Load	Drop Height = 152 mm Weight of bag = 102 kg (A) N° cycle = 1
Proof Load	Drop Height = 152 mm Weight of bag = 102 kg (A) N° cycle = 1
Cyclic	Drop Height = 36 mm Weight of bag = 57 kg (A) N° cycle = 100 000 Frequency = 15 cycles / min
Static	Drop Height = 300 mm N° cycle = 10



ANSI/BIFMA X5.1:2017 Par. 7
TEST REPORT: 4788037354.1

ANSI/BIFMA X5.1:2017 Par. 7
TEST REPORT: 4788037354.1

ANSI/BIFMA X5.1:2017 Par. 10
TEST REPORT: 4788037354.1

EN 1728: 2012 6.24 (Level 2)
TEST REPORT: 21282478.001

Front Corner Test

Cyclic	Seating Load = 890 N (A) Frequency = 12 cycles / min N° Cycle = 40 000
Static Load	Force = 1600 N (A) N° Cycle = 10
Cyclic	N° Cycle = 10 Force = 800 N (A) N° Cycles = 100 000



ANSI/BIFMA X5.1:2017 Par. 10
TEST REPORT: 4788037354.1

EN 1728: 2012 6.5 (Level 2)
TEST REPORT: 1282478.001

EN 1728: 2012 6.18 (Level 2)
TEST REPORT: 21282478.001

The armrests

Armrest Strength Test Vertical (downwards)

Functional load	Load = 750 N (A) Time of test = 60 sec N° cycle = 1
Proof Load	Load = 1125 N (A) Time of test = 60 sec N° cycle = 1
Static Load	Load = 900 N (A) N° Cycle = 10



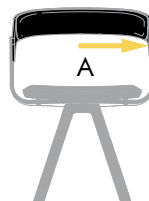
ANSI/BIFMA X5.1:2017 Par. 12
TEST REPORT: 4788037354.1

ANSI/BIFMA X5.1:2017 Par. 12
TEST REPORT: 4788037354.1

EN 1728: 2012 6.11 (Level 2)
TEST REPORT: 21282478.001

Armrest Strength Test Horizontal (sideways)

Functional Load	Load = 445 N (A) Time of test = 60 sec N° cycle = 1
Proof Load	Load = 667 N (A) Time of test = 60 sec N° cycle = 1
Static Load	Load = 900 N (A) N° Cycle = 10



ANSI/BIFMA X5.1:2017 Par. 13
TEST REPORT: 4788037354.1

ANSI/BIFMA X5.1:2017 Par. 13
TEST REPORT: 4788037354.1

EN 1728: 2012 6.10 (Level 2)
TEST REPORT: 21282478.001

Armrest Durability Test

Cyclic

Load = 400 N (A)
Frequency = 15 cycles / min
N° cycle = 60 000



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TEST REPORT: 4788037354.1

Cyclic

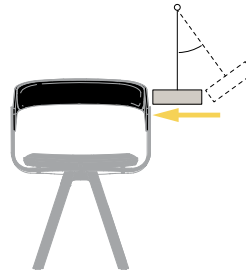
Force = 400 N (A)
N° Cycle = 60 000

EN 1728: 2012 6.20 (Level 2)
TEST REPORT: 21282478.001

Armrest Impact Test

Static Load

Angle of fall = 48°
N° of Cycles = 10



EN1728: 20126.26 (Level 2)
TEST REPORT: 21282478.001

The Legs

Front Load Test

Functional Load

Horizontal Force = 334 N (A)
Time of test = 60 sec
N° cycle = 1



ANSI/BIFMA X5.1:2017 Par. 17
TEST REPORT: 4788037354.1

Proof Load

Horizontal Force = 503 N (A)
Time of test = 60 sec
N° cycle = 1

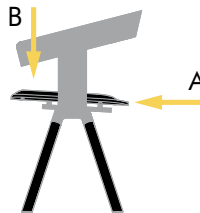


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TEST REPORT: 4788037354.1

Leg Forward Test

Static Load

Horizontal Force = 500 N (A)
Seating Load = 1000 N (B)
N° Cycle = 10

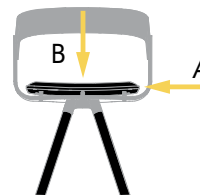


EN 1728: 2012 6.15
TEST REPORT: 21282528.002

Leg Sideways Test

Static Load

Horizontal Force = 400 N (A)
Seating Load = 1000 N (B)
N° Cycle = 10



EN 1728: 2012 6.16
TEST REPORT: 21282528.002

Side Load Test

Functional Load

Horizontal Force = 334 N (A)
Time of test = 60 sec
N° cycle = 1



ANSI/BIFMA X5.1:2017 Par. 17
TEST REPORT: 4788037354.1

General Durability

Structural Durability Test

Cyclic

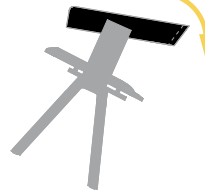
Load = 109 kg
Horizontal Force = 334 N (A)
N° cycle = 25 000
Frequency = 15 cycles / min



ANSI/BIFMA X5.1:2017 Par. 24
TEST REPORT: 4788108177.1

Backward Fall Test

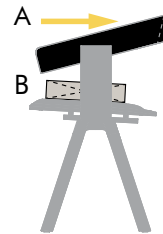
N° Cycle = 5



EN 1728: 2012 6.28
TEST REPORT: 21282528.002

Foward Overbalancing

Load = 60 kg (B)
Horizontal Force:
Float 41 N
Float Cross 115 N
Float CrossPlus: 80 N



EN 1022: 2005 6.2 & 6.3
TEST REPORT: 21282528.002