

ANSI/BIFMA X5.4-2020

Maglin Product Testing

ANSI/BIFMA X5.4-2020 is a performance and safety standard specifically designed for **public and lounge seating** used in business and institutional environments. It was developed by the **Business and Institutional Furniture Manufacturers Association (BIFMA)** and approved by the **American National Standards Institute (ANSI)**.

<https://www.bifma.org/page/standardsoverview>

<https://www.bifma.org/news/700889/ANSIBIFMA-X5.4-2020-R2025-Public-and-Lounge-Seating-Standard-Reaffirmed.htm>

Key Highlights of ANSI/BIFMA X5.4-2020

- **Scope:** This standard applies to seating typically found in **waiting areas, reception zones, patient rooms, cafeterias, and other indoor public spaces**. It includes both **single-seat units** and **multi-seat configurations**, whether freestanding or attached to building structures
- **Purpose:** It provides a common basis for evaluating:
 - » **Safety**
 - » **Durability**
 - » **Structural adequacy**
- **Weight Capacity:** The standard is designed for seating used by individuals up to **275 lbs**, representing the **95th percentile male**
- **Testing Categories:**
 - » **Static load tests**
 - » **Dynamic/cyclic tests** (e.g., backrest and arm strength)
 - » **Drop tests** (e.g., durability of seating surfaces, arms, and backrests)
 - » **Caster/base durability**
 - » **Stability and tilt mechanism tests**
- **Chair Styles Covered:**
 - » **Style A:** With arms and backrest
 - » **Style B:** With arms, no backrest
 - » **Style C:** No arms, with backrest
 - » **Style D:** No arms, no backrest

Each style undergoes different combinations of the 28 defined tests depending on its features.

Important Notes

- **Not for Bariatric Use:** This standard does **not cover bariatric seating**, which typically supports weights of **700–1000 lbs or more**. Bariatric seating would require different standards and testing protocols.

ANSI/BIFMA X5.4-2020 Compliant Maglin Products

These products have met BIFMA standards for safety, durability and structural adequacy.



Product: 1700 Series – Foro Café Chair

Materials: Steel Frame, Metal Seat

Options: With or Without Armrests, 2 laser patterns (Circles / Lines)



Product: 1700 Series – Foro Café Table

Materials: Steel Frame, Metal Top

Installation: Direct Burial, Freestanding, Surface Mount

Options: Round, Square, 2 laser patterns (Circles / Lines), 2 Sizes (30in / 36in), Umbrella Mount



Product: 2800 Series – FAVA Cluster Seating

Materials: High Density Polyethylene, Thermally Modified Ash Wood

Options: Single Seats, Quad & Single Seat, Double Seats, Wheelchair Accessible



Product: 900 Series – 970 Bench

Materials: Metal, High Density Polyethylene, Thermally Modified Ash Wood

Options: Skate Deterrent, Plaques, Backed, Backless, Armrests



Product: 800 Series – 870 Bench

Materials: Metal, Thermally Modified Ash Wood

Installation: Wall-mount, Cantilever, Surface Mount

Options: Backed, Backless, Armrests