

DOCUMENT

PSP / 12 63 00 / QTM  
Rev 2026.05 - A

ISSUED

May 2026  
For client review

PERFORMANCE SPECIFICATION — CSI 12 63 00

# Quantum

A powerhouse in any house. General admission to club tier — fixed bowl or retractable platform.

MANUFACTURER

**Hussey Seating Co.**  
Est. 1835

CSI SECTION

**12 63 00**  
Spectator seating

SYSTEM

**Beam-mount**  
Fixed or MAXAM+  
retractable

WARRANTY

**Limited Lifetime**  
structural

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**TaLedi Distribution**

Authorized Hussey Seating Company dealer  
BC · Yukon · NWT · Nunavut



COVER

**BEAM-MOUNT SPECTATOR**

One chair across every tier — general admission through club, fixed bowl or retractable platform.

Quantum installs **up to 38 % faster** than competing beam-mount systems and yields **1-3 % more seats per row**. The toggle locking mechanism, hot-dip galvanized support bracket, and clear-anodized aluminum beam carry the row efficiently — and accept any of three back shapes (Slat · Square · Round) so one chassis dresses an entire bowl.

Rides the **MAXAM+ retractable platform** with the full Manual / Lift-Assist / Auto-Fold operation menu — the same mechanism family that runs Forte and Metro on MAXAM+, so a mixed-mode bowl trains one operating procedure. **EN 12727 Level 4** certified; **100,000 self-rising cycles** independently tested.



IMG-QTM-02

## Venues Quantum is built for

VENUE TIER	RECOMMENDED CONFIGURATION	WHY IT FITS
Multi-use arena	Mixed GA / club / premium tiers	One chair across all tiers; 21 polymer colours; reconfigurable
University gymnasium	Retractable seating on MAXAM+	Manual / Lift-Assist / Auto-Fold operation modes
Recreation / community arena	Multipurpose; high event turnover	Toggle locking installs 38 % faster — turn-around between events lands on hours, not days
High-school competition gym	Senior-grade or community-shared	19" (483 mm) minimum seat centre; field-replaceable cushions

## Beam-mount system & MAXAM+ compatibility

Beam-mount system — **Tread (floor)** · **Riser (step / wall)** · **Removable** (groups of 1, 2, or 3 chairs) for fixed installations. The beam runs on its own substrate; chairs lock to the beam without penetrating the floor finish.

Retractable installations — the beam rides the **MAXAM+ deck** with the full Manual / Lift-Assist / Auto-Fold operation menu. Quantum and Forte share the same beam-mount family, so a mixed-mode bowl (Forte premium rows + Quantum GA rows) runs on a single MAXAM+ deck.

### — Back shapes

— Slat (open athletic) · Square (clean contemporary) · Round (rounded heritage). One chassis, three reads.

### — Standard seat centres

— 19" (483 mm) without arms / 22" (559 mm) with arms. Available widths 19"–23" (483–584 mm). Total height 33" (838 mm).

The same Manual / Lift-Assist / Auto-Fold menu that runs Forte and Metro on MAXAM+. Mode is specified at order entry.

MODE	HOW IT WORKS	RIGHT FOR
<b>Manual</b>	Foot-assist raise; chairs ganged in groups of 1–4 directly at each row. Mechanically simple, no power dependency.	K–12, single-custodian operation, light event turnover.
<b>Lift-Assist</b>	Tool-actuated from the aisle. Up to 14 chairs as one ganged row — operator never touches an individual chair.	Universities, recreation centres, multipurpose halls.
<b>Auto-Fold</b>	Same Lift-Assist hardware with cascading row-strike — set Row 1 with the tool, then closing the bank folds every subsequent row on its own.	High-volume venues turning the floor over multiple times a week.

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OPTIONS & ACCESSORIES

## Options & finish

### 21 standard polymer colours

Full school / team-colour palette at standard pricing; custom on request.

### Factory arms

**Quantum** · **Filigree** · **Filigree-with-Logo**. Specified per row position.

### Padded back / seat & full upholstery

Retrofit-capable — bowl can ship in polymer and upgrade later without a chair swap.

### Logos

Integral-moulded · dome · embroidered.

### Cup holders

Rear-, arm-, or wall-mount.

### Easy Access Armrest

At aisle ends — barrier-free transfer for CSA B651 / BCBC §3.8 compliance.

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CODES, STANDARDS & WARRANTY

**NFPA 102** · **GREENGUARD Gold** · **CWB W47.1** · **CSA B651 + BCBC 2024 §3.8 / NBC 2020 §3.8** (Canadian barrier-free) · **EN 12727 Level 4** · **100,000 self-rising cycles** independently tested · **ICC-ES ESR-5033** via host platform (MAXAM+). Eligible under **Canoe Procurement Group #081523-HSC**.

## Backed for the long term

**Limited Lifetime** on structural standards, cast seat supports and brackets, seat-return springs, and the beam-and-bracket assembly. **5 Years** on chair mechanisms, electrical, upholstery stitching, and surface finishes — labour included the first five years. Named on Hussey Seating Company's **Interior Fixed Seating Collections warranty** (Sept 2025 Rev. 1), covering Quattro, Metro, Gallery 3, Fusion, Legend, and Forte. Hussey-approved installation required; **service administered locally by TaLedi**.

**Outdoor installations:** covered separately under the **Exterior Fixed Seating Collections warranty** (Mar 2025 Rev. 2). Limited Lifetime structural carries through; finishes shorten to **3 Years** on powder coat and **1 Year** on polymer (5 Delta-E fade threshold).

## Submittal

Full submittal package — test reports, host-platform ESR-5033, fabric samples, installer certification — lives in the formal **Quantum Performance Specification** filed under **CSI Section 12 63 00**. Available on request from TaLedi.

### CONTACT

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#### AUTHORIZED DEALER

Hussey Seating  
Company  
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*Project-specific dimensions and configurations are subject to site survey and engineering review.*