

BALANCED DOOR HARDWARE



RSA Tower, Montgomery, Alabama • Architect: PH&J Architects, Inc.



Guide Assembly/Check Mechanism
(shown without cover plate)



Top and Bottom Arm Assembly



By incorporating the latest, most innovative technology, the Dawson Balanced Door features exceptional attention to detail, ensuring lasting quality for generations.

The Dawson Balanced Door complies with the strictest building codes and A.D.A. guidelines, while satisfying the most sophisticated design sensibilities.

- Available as either Custom Series or Designer Series door and frame construction
- 13-, 14- or 16-gauge thickness as specified
- A.D.A. compliant
- Custom sized to match design
- Grilles, muntins, extrusions and castings are available to meet design requirements
- Ten-year door, frame and hardware warranty

Balanced door hardware includes:

- Cast hydraulic check mechanism
- All adjustments made in head frame
- Door guide is cast stainless steel
- Metal reinforced mechanical back check
- Self-aligning needle bearings at all pivot points
- Cast stainless steel arms used on stainless doors
- Cast bronze arms used on bronze doors

DARE TO COMPARE

Balanced Door Arms:

All manufacturers produce one-piece cast arms and door pivots. Dawson manufactures both stainless steel and bronze castings to match the door material.

Arm Bearings:

Dawson uses self-aligning needle bearings in all door pivots, not plastic sleeve bearings.

Hinge Shaft:

Dawson uses a 1.9" diameter steel tube with 3/16" minimum wall section.

Guide Box:

The Dawson guide box is made of one piece cast 304 stainless steel. The stainless steel is 50% stronger, more than twice as hard and will not discolor due to corrosion. The Dawson guide box has a larger cross sectional area for strength and incorporates a trim plate to match the frame material.

Checking Unit:

Dawson utilizes an LCN cast check mechanism and warrants it for 10 years. The physical characteristics of the LCN make it a superior

check mechanism. LCN is considered the best manufacturer of checking devices in the world and has been thoroughly tested and approved in the industry.

Spring Tension Adjustment:

The Dawson product has all the controls for spring tension, swing speed and latch speed protected in the header. This location provides protection from dirt and corrosion, while allowing easy access for adjustments in the guide channel without removing the door from the opening. Others use a gear box located below the threshold grade for spring tension adjustment. This location exposes the mechanism to dirt, water, salt and other contaminants which can cause corrosion and make adjustment difficult.

Conclusion:

The Dawson design incorporates ease of installation and industry accepted warranty while reaching new levels of quality in the areas of bearings, material match, ease of adjustment and strength.