



### WHAT IS THE METHOD USED TO ASSURE A CASE CLOSES PROPERLY?

#### Aluminum Tongue-and-Groove Valance Extrusion

Every STAR CASE has a full-length, continuous, aluminum tongue-and-groove valance closure system. The tongue portion is mounted to the upper section (lid) of the case and fits into the groove portion mounted to the lower section (base). This aluminum tongue-and-groove valance extrusion is shaped in long, continuous lengths. Prior to assembly, it is notched and bent at the case corners. The result is a case that opens and closes squarely and precisely, every time.

An additional feature on Ultra Star and Super Star cases is the extra deep tracking (length of the tongue and depth of the groove) valance which accurately aligns case sections for superior strength, resistance to moisture and positive closure. On Ultra and Super Star cases the extra deep tracking tongue-and-groove valance is protected with a clear anodized coating which not only prevents corrosion but also lends to its extremely attractive professional appearance.

ULTRA STAR	SUPER STAR	ATA STAR-3/8"	ATA STAR-1/4"	CARRY STAR
YES	YES			
YES	YES	YES	YES	YES
		YES	YES	YES

Clear Anodized Aluminum Valance  
Extra Deep Tracking Valance  
Mill Finish Aluminum Valance  
Standard Depth Tracking Valance



### HOW IS THE CASE KEPT SECURELY CLOSED WHILE SHIPPING?

#### Heavy-Duty Recessed Steel Spring-Loaded Twist Catches

Standard equipment on all ATA compliant STAR CASES is a heavy-duty, recessed, spring-loaded twist catch used, either singly or in multiples depending on the size and configuration of your case. These catches are mounted as a two-part assembly (the twist mechanism and the strike) both of which are permanently attached to high strength steel recessed (dish like) plates in such a fashion that the catch and strike mechanisms are fully recessed into the surface of the plate. Each plate is attached to the corresponding routed opening in the case.

Fourteen rivets backed by metal retention washers prevent against accidental separation from the case. There is virtually no likelihood of these catches being clipped off in transit. The term "spring-loaded" means that when the twist mechanism of the catch is engaged, high tension is applied by the tension of the spring action. These catches have been engineered and tested to prevent accidental opening of the spring mechanism. If additional lockable security is required, STAR CASE has several locking options available.

ULTRA STAR	SUPER STAR	ATA STAR-3/8"	ATA STAR-1/4"	CARRY STAR
YES	YES	YES	YES	
				YES

Recessed, Spring-Loaded Twist Catches  
Surface Mounted Catches



### WHAT CAN BE DONE TO AVOID LID AND BASE ALIGNMENT PROBLEMS?

#### Steel Construction, Heavy-Duty Corner Shoulder Clamps

Any six-sided cube loses a significant amount of strength when separated into two parts. To reinforce this loss of strength when case sections are separated, STAR CASE fastens steel shoulder corner clamps to all outer 90 degree corners of the case valance. These steel shoulder corner clamps add strength and rigidity.

A minimum of 8 clamps are used on single lid case and 16 on a dual lid case. On Ultra and Super Star cases we use our exclusive "step-down" feature. This step-down feature conforms precisely to the contours of your case valance and extrusions. This helps to prevent clamps from shearing off while case is in transit.

ULTRA STAR	SUPER STAR	ATA STAR-3/8"	ATA STAR-1/4"	CARRY STAR
YES	YES	YES	YES	
				YES

Step-Down Corner Reinforcement Clamps  
Standard Corner Reinforcement Clamps



### WHAT PROTECTS THE CORNERS OF THE CASE?

#### Heavy-Duty, Steel, Rounded Ball Corners

If you ever dropped a milk carton, cardboard box, or molded briefcase on its corner you can understand the need to protect the corners of a case. These steel ball corners protect

the critical corner points of your case. The heavy-duty steel, rounded ball corners are permanently fastened with 6 machine-driven rivets and backed with metal retention washers. ☺

ULTRA STAR	SUPER STAR	ATA STAR-3/8"	ATA STAR-1/4"	CARRY STAR
YES	YES	YES	YES	
				YES

Step-Down Steel Ball Corners  
Standard Steel Ball Corners



### WHAT KIND OF HANDLES ARE USED AND HOW STRONG ARE THEY?

#### Heavy-Duty Steel Spring-Loaded Recessed Handles

STAR CASE recessed handles are incredibly strong. A spring tensioned steel handle assembly is permanently fastened into a recessed steel (dish like) plate. This entire assembly is permanently attached to the case with 12 machine driven rivets back by metal retention washers to prevent accidental separation from the case.

The STAR CASE computerized design systems determines the exact number of handles required on your case and their precise placement. Criteria such as load distribution, center of gravity, and the number of individuals needed to handle a particular case are considered. An extra thick rubber grip, for comfort, is also included on every handle.

ULTRA STAR	SUPER STAR	ATA STAR-3/8"	ATA STAR-1/4"	CARRY STAR
YES	YES	YES	YES	
				YES

Recessed, Spring-Loaded Handles  
Surface Mounted Handles



### HOW ARE THE LIDS HINGED TO THE LOWER SECTIONS OF CASES?

#### Full-Length Metal Piano-Type Hinge

Rather than use what are referred to as two simple spot hinges (much like a cupboard door), STAR CASE uses a full-length, all metal construction, piano-type hinge. Full-length means that the hinge is a continuous structure spanning the entire width of the case being hinged.

By "piano-type" we mean the hinge is very closely spaced and is similar to the hinge used to attach a piano keyboard cover. It has a continuous hinged pin. STAR CASE hinge is permanently attached to the case valance tongue-and-groove sections by means of closely spaced rivets.

ULTRA STAR	SUPER STAR	ATA STAR-3/8"	ATA STAR-1/4"	CARRY STAR
YES	YES	YES	YES	
		YES	YES	YES

Extended Coverage, Full-Length Piano Hinge  
Standard Coverage, Full-Length Piano Hinge



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