







Strong & Long Lasting with Optional Skid-Resistant Surface!

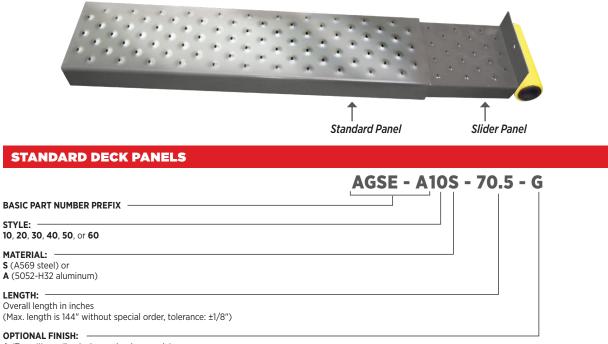


Available in Steel or Aluminum Material with Optional Finishes! www.agsecorp.com | +1.562.906.9300 | aerodeck@agsecorp.com





Part Number Configurations



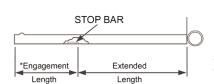
A (Type III anodized, clear—aluminum only) or G (Hot-dipped galvanized—steel only)

Leave blank for standard mill finish

SLIDER DECK PANELS

	AGSE - A70S - 48.5 - 24 - G - B - S
BASIC PART NUMBER PREFIX	
STYLE: 70 (Dimpled) or 80 (Smooth)	
MATERIAL: S (A569 steel) or A (5052-H32 aluminum)	
EXTENDED LENGTH: Extended length in inches (See figure below, tolerance: ±1/8")	
ENGAGEMENT LENGTH: Extended length in inches (See figure below, tolerance: ±1/8")	
OPTIONAL FINISH: A (Type III anodized, clear—aluminum only) or G (Hot-dipped galvanized—steel only) Leave blank for standard mill finish	
TOE PLATE OPTION: B (Bent type) or Leave blank for for standard straight-toe plate	
SLIDER OPTION:	

S (Slotted slider used with hinged slider locks)

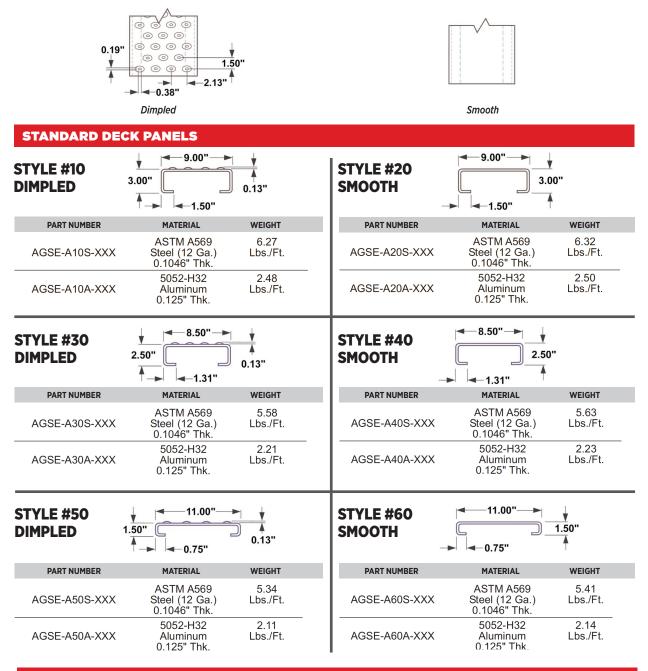


*Ensure the engagement length is large enough to provide a 24" minimum overlap dimension to the structure. If the part number omits the engagement length, the provided slider will be a standard 24" engagement length.





Dimensions, Material & Weight



SLIDER DECK PANELS

STYLE #70 DIMPLED*

•								
	PART NUMBER	MATERIAL	WEIGHT		PART NUMBER	MATERIAL	WEIGHT	
	AGSE-A70S-XX-24	ASTM A569 Steel (12 Ga.) 0.1046" Thk.	5.58 Lbs./Ft.		AGSE-A80S-XX-24	ASTM A569 Steel (12 Ga.) 0.1046" Thk.	5.63 Lbs./Ft	
-	AGSE-A70A-XX-24	5052-H32 Aluminum 0.125" Thk.	2.21 Lbs./Ft.		AGSE-A80A-XX-24	5052-H32 Aluminum 0.125" Thk.	2.23 Lbs./Ft	

STYLE #80 SMOOTH*

*Contains same dimensions, cross-section, and choice of steel or aluminum material as Styles #30 & #40 Standard Deck Panels.





Allowable Loads, Deflections, & Properties for Standard Deck Panels

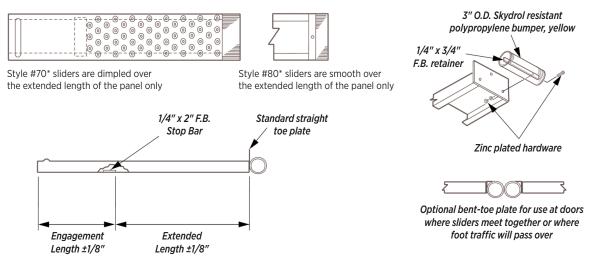
		Dramarta			
	SECTION PROPERTIES		teel Aluminum		
STYLE #10 DIMPLED &	× •	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	246 1.451		
STYLE #20 SMOOTH	У У		998 0.998		
	x x n.a.		1.8 25.7		
			.85 5.70		
	SIMPLE SUPPOR	TED SPAN			
ALLOWABLE LOADS AND DEFLECTIONS		8 Ft. 9 Ft. 10 F			
Max. Allow Uniform Load (Lbs./Ft.) Max. Deflection- Uniform Load (IN.) Max. Allow Mid-Span Concentric Load (Lbs.) Max. Deflection- Concentric Load (IN.)		259 205 16 .331 0.419 0.5			
ດັ່ງ Max. Deflection- Uniform Load (IN.) ທີ່ທີ່ Max. Allow Mid-Span Concentric Load (Lbs.)		.331 0.419 0.5 1038 923 83	00 0.550 .0600 30 755 692		
Max. Deflection- Concentric Load (IN.)	0.024 0.057 0.103 0.149 0.203 0				
ठु ह् Max. Allow Uniform Load (Lbs./Ft.)		130 91 6			
Max. Allow Uniform Load (Lbs./Ft.) Max. Deflection- Uniform Load (IN.) Max. Allow Mid-Span Concentric Load (Lbs.)	0.061 0.140 0.218 0.300 0.350 0		00 0.550 0.600		
Max. Allow Uniform Load (Lbs./Ft.) Max. Deflection- Uniform Load (IN.) Max. Allow Mid-Span Concentric Load (Lbs.) Max. Deflection- Concentric Load (IN.)	1500145111619688290.0490.1120.1750.2510.3420	650 513 41 400 0 450 0 5			
	0.040 0.112 0.110 0.20 10.042 0	.400 0.400 0.0	0010.00010.000		
	SECTION PROPERTIES		Steel Aluminum		
STYLE #30 & #70 DIMPLED &	× ¥	, ,	.502 1.742		
STYLE #20 & #70 DMPLED &	y T	Min Sy (in ³) 0.880 1.021			
SITLE #20 & #00 SMOUTH	x xn.a.		.794 .794		
	<u> </u>		6.88 19.83		
		Sx (in ³) (3	3.97 4.67		
ALLOWABLE LOADS AND DEFLECTIONS	SIMPLE SUPPORTED SPAN				
g Max. Allow Uniform Load (Lbs./Ft.)		8 Ft. 9 Ft. 10 F 183 133 9			
Max. Deflection- Uniform Load (IN.)			00 0.550 0.600		
õ		734 652 58			
	0.031 0.074 0.121 0.175 0.238 0 733 511 319 185 116	0.311 0.393 0.4 78 55 4	85 0.550 0.600 0 30		
Max. Allow Uniform Load (Lbs./Ft.) Max. Deflection- Uniform Load (IN.)	0.079 0.164 0.250 0.300 0.350 0				
Max. Allow Uniform Load (Lbs./Ft.) Max. Deflection- Uniform Load (IN.) Max. Allow Mid-Span Concentric Load (Lbs.) Max. Deflection- Concentric Load (IN.)	1160 1021 817 681 509	389 308 24	19 206		
ଞ द Max. Deflection- Concentric Load (IN.)	0.063 0.131 0.205 0.295 0.350 0	.400 0.450 0.5	500 0.550		
	SECTION PROPERTIES	Property	Steel Aluminum		
	SECTION PROPERTIES		0.350 0.397		
STYLE #50 DIMPLED &	x 🚽		0.292 .0332		
STYLE #60 SMOOTH	у С 🦳 У 🔺		0.303 0.305		
	× xin.a.		22.9 26.8		
		Sx (in ³)	4.16 4.88		
ALLOWABLE LOADS AND DEFLECTIONS	SIMPLE SUPPOR				
	3Ft. 4Ft. 5Ft. 6Ft. 7Ft. 433 244 156 104 66	8 Ft. 9 Ft. 10 F	t. 11 Ft. 12 Ft.		
Max. Deflection- Uniform Load (IDS.// L.)		0.400			
ທີ່ສູ້ Max. Allow Mid-Span Concentric Load (Lbs.)	649 487 390 325 278	220			
		0.400			
Max. Allow Uniform Load (Lbs./Ft.) Max. Deflection- Uniform Load (IN.) Max. Allow Mid-Span Concentric Load (Lbs.) Max. Deflection- Concentric Load (IN.)	295 142 73 0.132 0.200 0.250				
Max. Allow Mid-Span Concentric Load (Lbs.)					
$\mathbf{z} \equiv \mathbf{Max}$. Allow Mid-Span Concentric Load (Lbs.)	443 332 227				

Calculated maximum load values use a safety factor of 2.5 based on ultimate tensile strengths of 50,000 psi for A569 steel and 30,000 psi for 5052-H32 aluminum. Loads shown with screened backgrounds have been limited to a (1/240) x span maximum deflection for walking comfort and safety. The span is too great to support a 200 Lb. concentrated load at maximum deflection if no value is displayed.

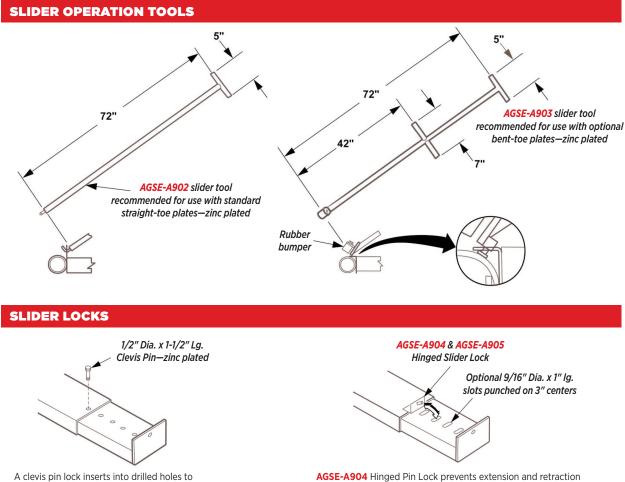




Slider Deck Construction



*Contains same cross-section and choice of steel or aluminum material as Styles #30 & #40 Standard Deck Panels.



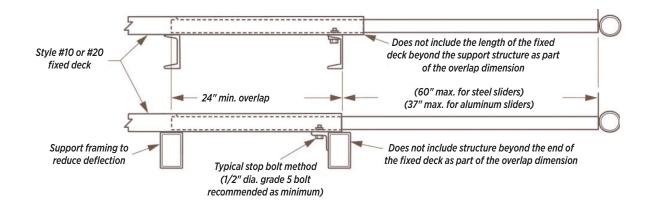
A clevis pin lock inserts into drilled holes to provide locking after positioning the slider panel.

of the slider panel. The hinge rotates back to unlock the slider. **AGSE-A905** Hinged Pin Lock prevents retraction of the slider panel but does <u>not</u> restrict its extension, requiring the slider panel to extend against an anchored object.



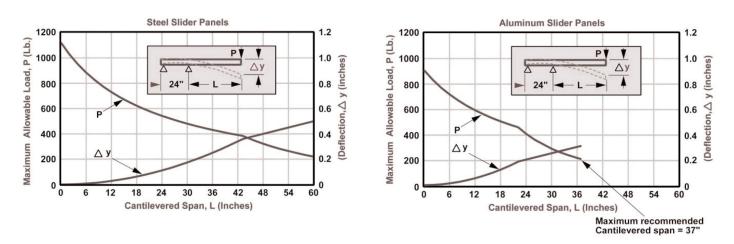


Allowable Loads & Deflections for Slider Deck Panels



ALLOWABLE LOADS & DEFLECTION CURVES

Load and deflection curves are based on the minimum overlap of the slider to support a structure of 24". Deflections are for the slider panel alone, and the actual total deflection will increase due to deflections of the support structure and fixed deck pocket. Additional support framing should be placed below the fixed deck to minimize deflection.



Calculated load values of maximum allowable load curves used a safety factor of 2.5 based on ultimate tensile strengths of 50,000 psi for A569 steel and 30,000 psi for 5052-H32 aluminum. Loads are limited to a 2.5 safety factor against the buckling of slider walls and to (1/120) x span maximum deflection for walking comfort and safety. Span is limited to meet the minimum load rating of 200 pounds.



AERODECK METAL DECKING BY

Additional Safety Information

The loads and deflections tabulated in this brochure are the minimum recommended allowable limits. The permissible loads and deflectors can reduce proportionally to achieve safety factors greater than 2.5 based on ultimate tensile strength.

The load and deflection values derive from the complete section properties of the deck panels. The customer is responsible for determining the reduction in load capacity or reinforcement of areas where deck panels are trimmed or otherwise modified.

Slider panels rely on friction forces to hold them without a locking mechanism. The slider can dangerously slip when exceeding these forces. Shorter sliders with less cantilevered load will slide more easily when reduced prying forces are applied. Oils or other liquids that come into contact with sliding surfaces will limit sliding friction, thus increasing the risk of an accident. Using a locking mechanism to prevent sliders from moving is recommended. Two locking methods are offered and illustrated in this brochure.

Prevent slider panels from overextension or obtrusion from their fixed deck pocket. Slider extensions should use a minimum 1/2" diameter grade 5 stop bolt. Slamming the slider against the stop bolt may cause the bolt to shear.

The minimum load to buckle the side walls will be dramatically decreased should those walls become bent, penetrated, or damaged. Routinely inspect the slider panels to ensure that the

side walls are smooth and straight, replacing any compromised sliders before use.

Slider panels should be extended and retracted via tools that can position them while the operator maintains a safe distance from any open deck edge. This brochure features such tooling to be used for this procedure. Do not operate slider panels by kicking them out or leaning over and pulling where operators risk losing their balance.

Styles #10 & #20 deck panels can telescope and are subject to binding when the fixed deck welds to a structure without proper leveling. Back injuries or fall risk may occur if the operator forces the retracted bound sliders to extend. Proper handling during the fixed deck construction will ensure the sliders' flat deck panel pocket can operate freely.

Proper positioning of the slider panels is critical for the safe operation of any work platform. Uniformly extend these panels to avoid gaps or holes in deck coverage that may cause personnel to fall.

Slider panels should only be used on maintenance platforms by adequately trained personnel. Do not deploy in public areas.

Smooth panels should be metal sprayed (to increase surface roughness), coated with non-skid paint, or covered with a non-skid type surface.



