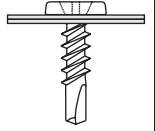




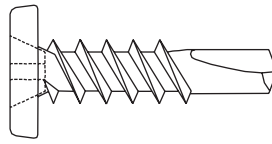
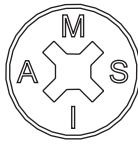
ASO™ SERIES SCREWS



SPEC DATA Submittal Sheet #002

PANCAKE HEAD SELF-DRILL SHEET METAL SCREW

Low Profile Head for steel to steel connections in materials up to 12ga.



Pancake Head Style - Combo Drive

Part #	Diameter	Length	TPI	Box Qty	Finish	Head Diameter	Corrosion	Drill Point	Drill Capacity
ASO-4	12	3/4"	14	5M	Zinc	11mm~11.5mm	24 hr min B-117	SD/S12	.110"~.210"

All AMSI® Sheet Metal Screws Meet or Exceed ASTM C-1513 and/or ASTM C-954

AMSI® ASO™ Self-Drill Screws Ultimate Connection Value Chart

Diameter	Nominal Screw Diameter (inches)	Metal Gauge/lb	Tension (Pull) Lbs 1Pc	Shear Lbs. Metal to Metal	Minimum Torsional Strength (Lb)
12	0.216	20	314	698	92
		18	472	983	
		16	735	1556	
		14	1057	2072	
		12	1242	2210	
		0.156"	2685		
		0.187"	3394		

ULTIMATE VALUE CHARTS:

Screws driven into steel with three (3) exposed threads on the off side of the connection, then pulled out with the testing machine.

Note that all results were obtained in strict adherence to ASTM test protocol. These ultimate figures are offered only as a guide and are not guaranteed in any way by AMSI Supply (Architectural Metal Specialties, Inc.). A 4:1 safety ration is recommended.

INSTALLATION GUIDELINES:

0-1800rpm Screwgun with torque adjustment. Overdriving may result in fastener failure or strip-out of the work surface.

The fastener is fully seated when the screw head's bearing surface is flush with the steel.

The fastener must penetrate beyond the metal a minimum of three (3) threads to comply with the code.

ALL AMSI FASTENERS ARE MANUFACTURED IN AN ISO 9002 & ISO 14001 CERTIFIED AND APPROVED FACTORY TO AMSI PERFORMANCE SPECIFICATIONS AND PRINT DRAWINGS

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