

Products By Application

Product Type	Product	Dimensions		Glazing Thickness	Inside or Outside Glazed	Structurally Butt Glazed	Thermally Improved	Threat Capability*	Comments
		Face	Depth						
Curtain Wall Systems	OS-2000	2.00"	7.25"	.563" to 1.1875"	Outside	Yes	Yes	BA / EB / FE	This is a highly designed curtainwall system for low to medium level threats, meeting numerous interior aesthetic finish and anchoring requirements. It is also designed for use in punch or strip configurations.
	OS-2200	2.00"	5.50"	.563" to 1.1875"	Outside	Yes	No	BA / EB / FE	This is a low to medium level of threat fully captured curtain wall system, capable of integration with an outside opening casement window. Numerous aesthetic finish and anchorage options are available.
	OS-2300	2.75"	6.50"	.563" to 1.1875"	Outside	Yes	Yes	BA / EB / FE	This is a low to medium level multiple threat fully captured curtain wall system modified from the OS-2200 egress system for additional exterior aesthetic closure conditions.
	IS-6000	2.50"	5.00"	.250" to 2.50"	Inside	No	Yes	BA / EB / FE	This is an inside set high level multiple threat curtain wall system. It provides for a fully captured system meeting numerous threat resistant requirements. It is also designed for use in a punch or strip configuration.
	IS-6100	2.00"	4.62"	.250" to 2.50"	Inside	No	Yes	BA / EB / FE	This is an inside set low to medium level multi threat curtain wall system providing a fully captured glazing retention. This system has a 2" low profile design.
Casement & Hopper Systems	OS-1000	4.44"	2.57"	.250" to .750"	Outside	No **	No	BA / EB / FE	A primary low level multi threat outside swinging casement window system. This system is configured to use either laminated monolithic or laminated IG glazing units.
	OS-1100	4.44"	3.38"	.250" to 1.55"	Outside	No **	No	BA / EB / FE	A primary high level multi threat outside swinging casement window system. This system is configured to use either laminated monolithic or laminated IG glazing units.
	IS-1400	4.44"	2.57"	.250" to .750"	Inside	No **	No	BA / EB / FE	A secondary low to medium level multi threat inside swinging casement window system. This system is configured to use either laminated monolithic or laminated IG glazing units.
	IS-1500	4.44"	3.38"	.250" to 1.55"	Inside	No **	No	BA / EB / FE	A secondary low level multi threat inside swinging casement window system. This system is configured to use either laminated monolithic or laminated IG glazing units.

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Punch & Strip Systems	OS-2000	2.00"	7.25"	.563" to 1.1875"	Outside	Yes	Yes	BA / EB / FE	This is a highly designed punch & strip system for low to medium level threats, meeting numerous interior aesthetic finish and anchorage requirements.
	IS-2100	2.15"	3.94"	.80" to 1.18"	Outside	Yes	No	BA / EB / FE	This is a primary punch & strip system with multiple aesthetic interior trim and anchorage options for a narrow depth and thin line exterior profile.
	OS-2200	2.00"	5.50"	.563" to 1.1875"	Outside	Yes	No	BA / EB / FE	This is a low to medium level of threat fully captured punch & strip system, capable of integration with an outside opening casement window. Numerous aesthetic finish and anchorage options are available.
	OS-2300	2.75"	6.50"	.563" to 1.1875"	Outside	Yes	Yes	BA / EB / FE	This is a low to medium level multiple threat fully captured punch & strip system modified from the OS-2200 egress system for additional exterior aesthetic closure materials.
	IS-6000	2.5"	5.00"	.250" to 2.50"	Inside	No	Yes	BA / EB / FE	This is an inside set high level multiple threat punch & strip system. It provides for a fully captured system meeting numerous threat resistant requirements.
	IS-6100	2.00"	4.62"	.250" to 2.50"	Inside	No	Yes	BA / EB / FE	This is an inside set low to medium level multi threat punch & strip system providing a fully captured glazing retention. This system has a 2" low profile design.
	IS-6200	1.39"	1.94"	.250" to 6.00"	Inside	No	No	BA / EB / FE	This is a secondary low to medium level multi-threat system. Designed to be utilized to the interior of an existing opening, providing for protection without the need to remove existing frames.
	IS-6300	2.00"	4.29"	.250" to 2.50"	Inside	No	Yes	BA / EB / FE	This is a low to medium level punch or strip inside set, fully captured primary system for multiple threats, with a low profile of only 2".
	IS-8000	6.00"	8.50"	.250" to 1.25"	Inside	No **	Yes	BA / EB	This is a fixed steel system designed to replicate a double hung wood system. It is a 14 gauge welded frame and intermediates with removable stops and infills.
	IS-8100	6.00"	8.50"	.250" to 1.25"	Inside	No **	Yes	BA / EB	This is an aluminum system designed after the IS-8100 system in both standard and thermally broken configurations. This screw spline system is solid and quick to fabricate.
	IS-8200	3.00"	4.00"	.250" to 1.1875"	Inside	No **	Yes	BA / EB	This is a low level multiple threat standard height profile aluminum screw spline system with an architectural facing profile for added aesthetics.
	IS-8300	3.00"	4.00"	.250" to 1.1875"	Inside	No **	Yes	BA / EB	This is a low level multiple threat standard height profile aluminum screw spline system with a flat architectural facing profile designed after the IS-8200 system.
	IS-8400	3.00"	4.00"	.250" to 1.1875"	Inside	No **	Yes	BA / EB	This is a low level multiple threat standard height profile aluminum fixed single hung screw spline designed system with a flat architectural facing profile designed after the IS-8200 system.

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		Face	Depth						
Sliding Window Systems	OS-1200	5.25"	4.81"	.250" to .750"	Outside	No **	No	BA / EB / FE	A low to medium level multiple threat resistant horizontal sliding window system. This system is configured to use either laminated monolithic or laminated IG glazing units.
	OS-1300	5.25"	5.55"	.250" to .750"	Outside	No **	No	BA / EB / FE	A high level multiple threat resistant horizontal sliding window system. This system is configured to use either laminated monolithic or laminated IG glazing units.
	OS-1600	5.25"	5.13"	.250" to 1.22"	Outside	No **	No	BA / EB	A low level multiple threat resistant horizontal sliding window system. This system is configured to use either laminated monolithic or laminated IG glazing units.
	OS-1700	3.62"	5.45"	.250" to 1.22"	Outside	No **	No	BA / EB	A low level multiple threat resistant single hung vertical sliding window system. This system is configured to use either laminated monolithic or laminated IG glazing units.
	OS-1800	1.50"	5.50"	.250" to 1.05"	Inside	Yes	Yes	BA / EB / FE	A medium level multiple threat resistant horizontal sliding window system. This system is configured to use either laminated monolithic or laminated IG glazing units.

* **BA** = Ballistic Threats, **EB** = Explosive Threats, **FE** = Forced Entry

** Typical glazing is with the use of double sided high density closed cell foam tape. Butt glazing can be provided for thinner glazing requirements.

Products By Application

Product Type	Product	Dimensions		Mesh Type **	Mounting Configurations ***	Mesh Opening Size	Thermally Improved	Threat Capability*	Comments
		Face	Depth						
Specialty Applications	IS-9000	3.00"	3.00"	AL CS SS	HS HO	Inside	No	EB	Low to medium threat fragment retaining mesh systems. Multiple mesh & rail finishes for various environmental exposures and aesthetics.
	IS-9100	3.00"	3.00"	SS	HS	Inside	No	EB / FE	High threat fragment retaining mesh for controlled confinement and/or access protection.

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** **AL** = Aluminum, **CS** = Carbon Steel, **SS** = Stainless Steel

*** **HS** = Head and Sill Rails, **HO** = Head Only Rail, Draped Bottom