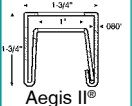
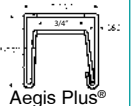
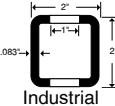
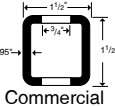
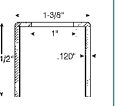
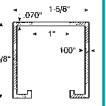


RAIL STRENGTH

ForeRunner™ (Steel)	ForeRunner™ (Steel)	Structural Parameters	Square (Steel)	Square (Steel)	U-Channel (Steel)	U-Channel (Aluminum)		
		Profile of the Architectural Shape of the Rail *Vertical Design Loads are per rail; for capacity of fence panel, multiply by number of rails.						
.160	.160	T_{eff} = Effective Wall Thickness (IN)	.083	.095	.120	.100/.070		
.1624	.1612	S_v = Section Modulus (IN) Vertical	.188	.115	.0938	.1350		
.367	.254	S_h = Section Modulus (IN) Horizontal	.309	.147	.210	.260		
2.55	2.13	W = Rail Weight (LBS/FT)	2.11	1.75	1.68	0.54		
50,000	50,000	F_y = Yield Strength (PSI)	50,000	50,000	45,000	35,000		
676#	652#	6' Span	Vertical Load Data PV_i = Ultimate Vertical	6' Span	523#	320#	-----	262#
506#	492#	8' Span		8' Span	392#	239#	229#	-----
1,020#	639#	6' Span	Horizontal Load Data PH_i = Ultimate Horizontal	6' Span	859#	409#	-----	482#
765#	482#	8' Span		8' Span	644#	306#	438#	-----
446#	430#	6' Span	* Vertical Load Data PV_d = Vertical Design Load @ $.66 F_y$	6' Span	345#	211#	-----	173#
334#	325#	8' Span		8' Span	259#	158#	151#	-----
673#	422#	6' Span	* Horizontal Load Data PH_d = Horizontal Design Load @ $.66 F_y$	6' Span	567#	270#	-----	318#
505#	318#	8' Span		8' Span	425#	202#	289#	-----

* RECOMMENDED LOAD VALUE FOR SAFE STRUCTURAL DESIGN (Allowable Strength = $.66 F_y$).