

IMPASSE II®

High Security Steel Fence

Fence Height	Rail Length	Rail Quantity	I Post Size	Wind Load Capacity Factor (PSF)	Typical Wind Load Capacity (MPH)
6'	8'	2	3" x 2¾" x 12 ga.	45.7 (PSF)	148.5 (MPH)
			4" x 2¾" x 11 ga.	74.2 (PSF)	189.2 (MPH)
		3	3" x 2¾" x 12 ga.	45.7 (PSF)	148.5 (MPH)
			4" x 2¾" x 11 ga.	74.2 (PSF)	189.2 (MPH)
7'	8'	2	3" x 2¾" x 12 ga.	33.2 (PSF)	126.5 (MPH)
			4" x 2¾" x 11 ga.	51.8 (PSF)	158.1 (MPH)
		3	3" x 2¾" x 12 ga.	33.6 (PSF)	127.3 (MPH)
			4" x 2¾" x 11 ga.	54.4 (PSF)	162.0 (MPH)
8'	8'	2	3" x 2¾" x 12 ga.	23.1 (PSF)	105.5 (MPH)
			4" x 2¾" x 11 ga.	35.5 (PSF)	130.8 (MPH)
		3	3" x 2¾" x 12 ga.	25.7 (PSF)	111.3 (MPH)
			4" x 2¾" x 11 ga.	41.7 (PSF)	141.8 (MPH)
9'	8'	3	3" x 2¾" x 12 ga.	20.3 (PSF)	89.7 (MPH)
			4" x 2¾" x 11 ga.	32.9 (PSF)	126.0 (MPH)
10'	8'	3	3" x 2¾" x 12 ga.	16.5 (PSF)	80.9 (MPH)
			3" x 2¾" x 12 ga.	26.7 (PSF)	113.5 (MPH)

Note: MPH values shown are provided for information only. They are calculated using ANSI/ASCE 7-05, "American Society of Civil Engineers Minimum Design Loads for Buildings and Other Structures" Exposure Category C (open terrain with scattered obstructions having lengths generally less than 30 feet), based on post setting in 36" deep concrete footer in soil assumed to be of mid-range strength and compaction. Since specified project conditions such as jurisdictional building codes, elevation of installation, post base/footer design, soil strength, etc., may change from project to project, a structural engineering evaluation, unique to applicable requirements and conditions, should be performed. Consult your Ameristar Service Representative for an estimate on Engineering Analysis and P.E. Certification.