

Grating Selection Guide

DeltaSpan Pultruded Grating

AIMS offers both molded and pultruded gratings. The following table provides assistance in selecting the best grating for the application.

Please refer to our DeltaGrate and DeltaSpan brochures for additional product information.

DeltaGrate HS Compression Molded Grating vs. DeltaSpan Pultruded Grating		
Characteristic/Application	DeltaGrate HS Square Mesh Molded Grating	DeltaSpan Pultruded Grating
Chemical Resistance	Excellent	Good
Bidirectional Strength	Excellent	Not Recommended
Unidirectional Strength	Very Good	Excellent
Impact Resistance	Excellent	Average
Weight Savings vs. Metal	Excellent	Excellent
Open Area (airflow, light penetration)	Excellent (70% to 80%)	Good (40% to 60%)
Panel Sizes Available	Excellent	Excellent
Pipe Penetrations	Excellent	Average
Safety	Excellent	Excellent

DeltaSpan Pultruded Grating Sizes and Specifications					
Grating Thickness	Mesh Description	Bars/Ft	Panel Sizes Available	Weight (psf)	% Open Area
1"	1" I-Beam, 14010	12	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	3.5	40%
1"	1" I-Beam, 15010	10	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	2.9	50%
1"	1" I-Beam, 16010	8	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	2.3	60%
1-1/2"	1-1/2" I-Beam, I4015	12	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	4.5	40%
1-1/2"	1-1/2" I-Beam, 15015	10	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	3.9	50%
1-1/2"	1-1/2" I-Beam, 16015	8	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	3.3	60%
1"	1" T-Beam, T1810	6	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	2.5	18%
1"	1" T-Beam, T3510	5	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	2.0	35%
2"	2" T-Beam, T3320	8	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	4.0	33%
2"	2" T-Beam, T5020	6	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	3.1	50%

*Note - 5' widths are non-stocked items. Please consult AIMS for delivery.