



## Standard Gobo Sizes

<b>Subject:</b> Standard Gobo Sizes for Theatre Luminaires		
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### Standard Gobo Sizes

Size Diagram	Gobo Size	Overall mm	Image mm
<p>The diagram shows a circle representing a gobo. A horizontal double-headed arrow across the top of the circle is labeled 'Overall Diameter'. A vertical double-headed arrow on the left side of the circle is labeled 'Image Diameter'. The circle is drawn with a solid outer line and a dashed inner line, indicating the difference between the physical size and the projected image size.</p>	A	100	75
	B	86	64.5
	C	150	112.5
	D	53.3	40
	E	37.5	28
	G	66	45
	J	38.8	25
	M	66	49.5
	T	46.5	38
	V	25.5	18

#### Notes:

1. Most manufacturers of conventional profile luminaires stick to the standard gobo sizes listed in the table above.
2. Manufacturers of moving head and moving mirror luminaires often use proprietary gobo sizes.
3. Gobos are inserted into the “gate” of profile luminaires to intersect with the focal point of the optical system, rather like a slide is inserted into in a slide projector.
4. A gobo holder, available as an accessory for most profile luminaires, is usually required to support a gobo inside the luminaire.
5. The characteristics of the luminaires used for gobo projection ultimately determine the actual image area that can be projected and the quality of the projected image.
6. Gobos can be custom made for you, or you can select from the hundreds stock of patterns available from gobo manufacturers such as Rosco, GAM, Lee, DHA and Apollo.
7. Gobos are usually made from steel, often stainless steel, in order to withstand the heat inside the luminaire but they can also be made from heat resistant glass or dichroic filter materials.
8. You can make your own simple gobos by cutting the required shape out of a piece of thin aluminium sheet.