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Dolan-Jenner

# BGG18 Series

## Single Gooseneck

For applications which require a single near horizontal incident angle or a downward projected source of high intensity cold illumination

The BGG single arm "gooseneck" assemblies are an extremely versatile product which when paired with the Fiber-lite 3100 , is compact, quiet and provides up to 10,000 ft. candles of illumination focused with the LH759 lenses at a 3 inch (7.6cm) working distance. The 30 watt Fiber-lite 3100 halogen system with the BGG1823 fiber optic is suitable for up to 20X magnifications. This unit was designed to replace the low power stereo microscope lighting with increased light levels of cold illumination. The BGG18 fiber assembly with a 0.19 inch (4.75mm) bundle diameter starts from the light source at a 45 degree angle, and is available in lengths of 18", 23" and 36" for maximum placement flexibility. This system provides the most obedient light output placement for critical illumination requirements at angles of incidence from near vertical to near horizontal. Slide-lock LH759 lens can be rapidly adjusted, or removed for diffuse illumination, or in conjunction with lamp ports or transmitted light bases.

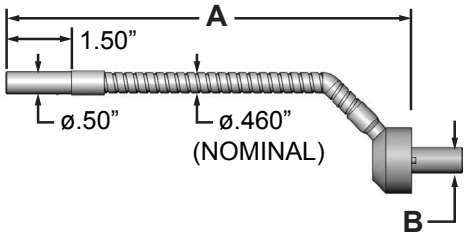
In a laboratory environment, the single arm gooseneck fiber optic assembly provides excellent ancillary usage as a light source for small animal microsurgery with a stereomicroscope, general specimen preparation, examination of cultures and tissue trim preparation for light and electron microscopy, while decreasing morphological changes induced by dehydration and heat.



BGG1823
*commonly used with Model 3100 (shown below)




## BGG18 Series - 0.187" Fiber Bundle. Single-Gooseneck - 0.500" Dia. End Ferrule (Accepts LH-759 Lens)

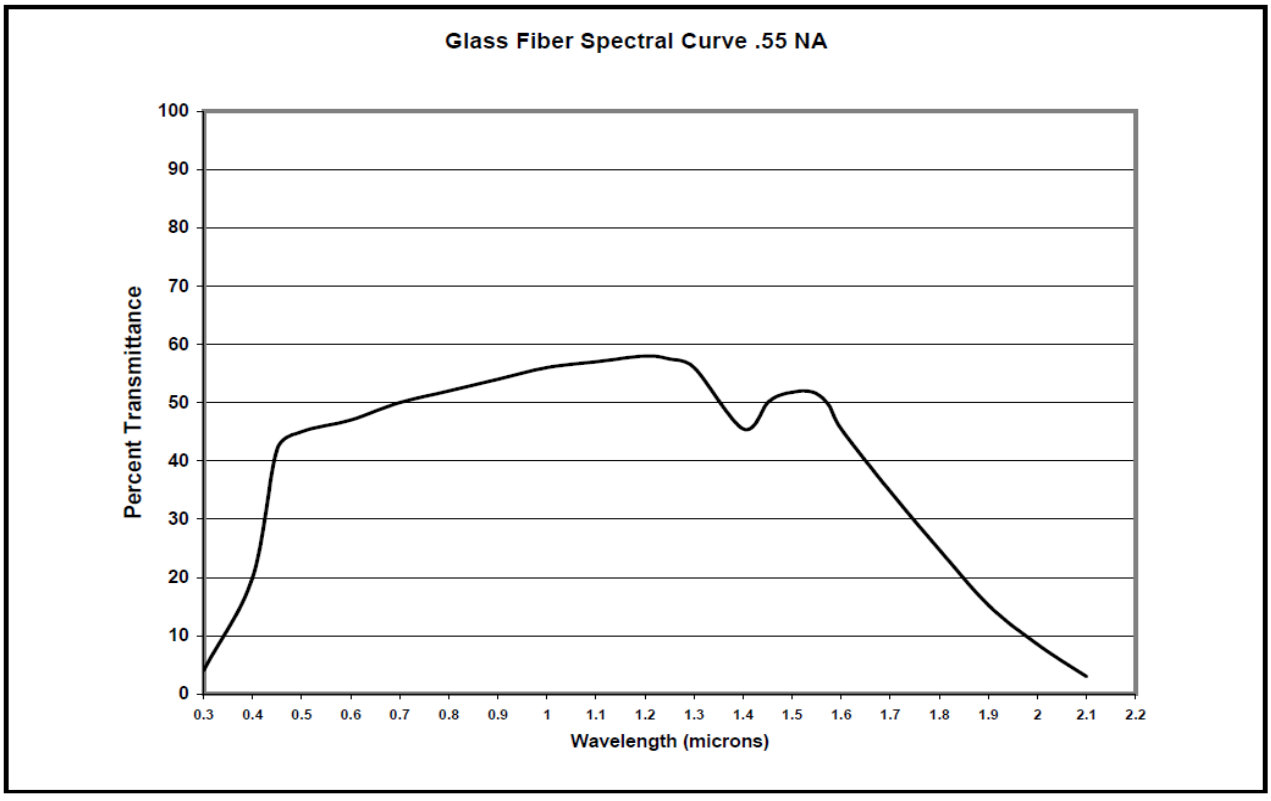



| Part # | (A) Length | (B) Input Ferrule Diameter | 25 mm A-Nose Adapter | 15mm B-Nose Adapter |
|---|---|---|---|---|
| BGG1818 | 18" (456.9 mm) | 0.562" (14.3 mm) x 0.50" (12.7mm) | SX-10 | Not Compatible |
| BGG1823 | 23" (584.2 mm) | 0.562" (14.3 mm) x 0.50" (12.7mm) | SX-10 | Not Compatible |
| BGG1823M | 23" (584.2 mm) | 0.588" (14.9 mm) x 0.83" (21.1mm) | SX-13 | Direct Fit |
| BGG1836M | 36" (914.40 mm) | 0.588" (14.9 mm) x 0.83" (21.1mm) | SX-13 | Direct Fit |

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| PRODUCT SPECIFICATIONS | |
|---|---|
| Fiber Material | Borasilicate Glass |
| Numerical Aperture | 0.55 nominal |
| Acceptance (cone) Angle | 68 degrees nominal |
| Fiber Bundle Diameter | 0.187" |
| Temperature Rating | 225°F |
| Packing Fraction | 82% nominal |
| Sheathing Material | Gooseneck, steel, painted black |
| Bend Radius | 3.0" |
| Output End Ferrule Material | 303 Stainless Steel |
| Input End Ferrule Material | T6 Aluminum |
| Transition Material | Anodized Aluminum |
| RoHS | Non Applicable |
| Accessories (optional) | LH-759 Lens |
| Warranty | 12 Months |




Spectrum shown is for the fiber optic only, and is not representative of output spectrum when paired with a light source and lensing.

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