

Gratings

Knight Optical's bar gratings are manufactured by photo-lithographically layering a chromium pattern of bars over a glass substrate. The printed lines are equally spaced and used to provide sharp contrast and edge definition during Ronchi mirror testing. Diffraction gratings come in three grades and are used to separate white light into its component wavelengths. Our high quality custom research reflection gratings include both ruled and holographic types.



We also offer a range of commercial gratings which are useful for simple demonstration applications. Our commercial range of gratings consist of inexpensive transmission replicas mounted between glass plates.

Custom capabilities

Line Pair per mm	2 LPMM - 125 LPMM
Nominal tolerance	0.250mm \pm 0.003mm - 0.004mm \pm 0.001mm
Overall size	50mm x 50mm x1.5mm \pm 0.2mm

Notes

All products are tested in our state of the art metrology laboratory by our highly trained technicians to ensure compliance with the specification. Parts are then sent to our QA team to be cleaned and checked for surface imperfections before dispatch.

Please contact our technical sales team on (+44) 1622 849 444 to discuss your custom grating requirements and discover how Knight Optical can help improve your supply chain experience. Alternatively, email us your requirements by clicking on the links below.