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Richardson Gratings™ High Precision Plane Reflective Gold Diffraction Gratings

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- Optimized for use from 350-800nm (500nm) or 700-1600nm (1000nm)
- Available in standard sizes 12.7 x 12.7, 25 x 25 and 30 x 30mm
- Groove Spacing Tolerance <0.05%
- Custom Sizes Available

Common Specifications

Physical & Mechanical Properties

Clear Aperture (%):	>90	Construction:	Ruled Grating
Thickness (mm):	6.00 ±0.5	Centering of Ruled Area on Substrate (mm):	±1
Alignment of Grooves to Edge (°):	±0.15	Groove Spacing Tolerance (%):	<0.05

Optical Properties

Groove Density (grooves/mm):	600	Coating:	Gold
Substrate:	Float Glass	Reflected Wavefront, RMS:	λ/4
Polarization:	S, P and Average	Spectral Order (m):	1

Technical Information

Products

Groove Density (grooves/mm)	Wavelength Range (nm)	Blaze Wavelength (nm)	Dimensions (mm)	Master Reference	Spectral Order (m)	Stock Number	Price	Buy
600	350 - 800	500	12.7 x 12.7	260R	1	#15-775	€160,68	14 In Stock
600	350 - 800	500	25.0 x 25.0	260R	1	#15-776	€193,64	10 In Stock
600	350 - 800	500	30.0 x 30.0	260R	1	#15-777	€208,06	16 In Stock
600	700 - 1600	1000	12.7 x 12.7	520R	1	#15-778	€160,68	13 In Stock
600	700 - 1600	1000	25.0 x 25.0	520R	1	#15-779	€193,64	3 In Stock
600	700 - 1600	1000	30.0 x 30.0	520R	1	#15-780	€208,06	12 In Stock



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