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Richardson Gratings™ High Precision Reflective Holographic Diffraction Gratings

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- High Diffraction Efficiency
- Reduced Stray Light and More Accurate Periodicity than Ruled Gratings
- Wavelength Options from UV to NIR Regions Available
- Custom Sizes Available

Common Specifications

Physical & Mechanical Properties			
Clear Aperture (%):	>90	Construction:	Holographic 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			
Coating:	Aluminium	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
1200	400 - 1200	700	12.7 x 12.7	220H	1	#15-745	£120.82	2 In Stock
1200	400 - 1200	700	25.0 x 25.0	220H	1	#15-746	£147.08	Contact Us
1200	400 - 1200	700	30.0 x 30.0	220H	1	#15-747	£156.71	Contact Us
1800	190 - 900	250	12.7 x 12.7	300H	1	#15-748	£120.82	7 In Stock
1800	250 - 900	450	12.7 x 12.7	320H	1	#15-751	£120.82	17 In Stock
1800	250 - 900	450	25.0 x 25.0	320H	1	#15-752	£147.08	14 In Stock
1800	190 - 900	250	25.0 x 25.0	300H	1	#15-749	£147.08	5 In Stock
1800	190 - 900	250	30.0 x 30.0	300H	1	#15-750	£156.71	6 In Stock
1800	250 - 900	450	30.0 x 30.0	320H	1	#15-753	£156.71	17 In Stock
2400	200 - 800	270	12.7 x 12.7	420H	1	#15-754	£120.82	7 In Stock
2400	150 - 800	250	12.7 x 12.7	410H	1	#15-757	£120.82	1 In Stock
2400	150 - 800	250	25.0 x 25.0	410H	1	#15-758	£147.08	9 In Stock
2400	200 - 800	270	25.0 x 25.0	420H	1	#15-755	£147.08	14 In Stock
2400	200 - 800	270	30.0 x 30.0	420H	1	#15-756	£156.71	5 In Stock
2400	150 - 800	250	30.0 x 30.0	410H	1	#15-759	£156.71	15 In Stock



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