



Scientific diffraction gratings / Custom gratings

Dye laser gratings

Commitment to quality



HORIBA Jobin Yvon offers complete customer service, including expert technical advice for optimizing system configurations to meet customers' needs.

HORIBA Jobin Yvon is ISO 9001:2000 certified, and our well-staffed departments are committed to customer satisfaction and product quality.

Dye laser gratings

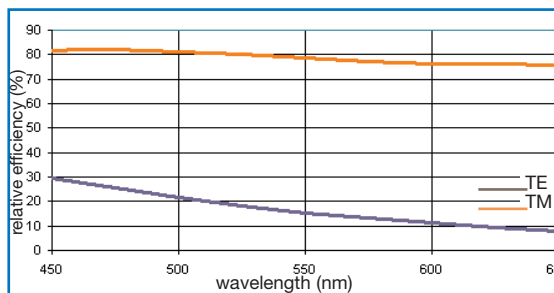
HORIBA Jobin Yvon has developed two types of gratings for dye lasers: L series (Littrow configuration) and G series (grazing incidence configuration). These holographic gratings are optimized for efficiency when used with TM radiation.

Standard gratings are aluminum coated. Gold coating is offered upon request, to improve efficiency above 600 nm.

L series (Littrow)

blank dimensions				reference
per mm	(λ) (nm)	(nm/mrad)	at max. (%)	
3600	280-380	22	69	524 01
3000	300-550	28	69	524 02
2400	450-650	30	82	524 03
2000	480-650	43	69	524 04

size code	blank size
010	dia 25x10
020	25x25x8
060	dia 50x10
070	30x40x10
090	40x60x10



524 03 Littrow

G series (grazing)

Our grazing incidence gratings have been optimized for very high resolution when used with very large angles.

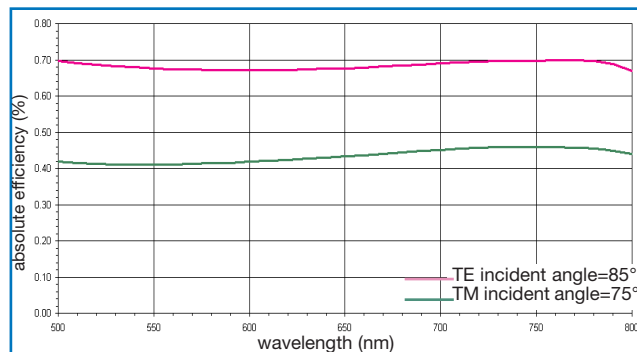
blank dimension mm		
grooves mm	spectral range (λ)	reference
3600	330-500	524 11

size code	blank size
260	17x58x11
270	30x110x16
280	35x140x20

Efficiency curves are very flat, and specific blaze wavelengths are not specified. Efficiency vs incidence angle is available upon request.

Ruled area: extends to within a 2-4 mm border around the grating edge.

Standard substrate material is Pyrex; on request, substrates including fused silica, Zerodur, ULE, metals, or other materials can be considered. Standard coating is aluminum. On request, AlMgF2, gold or platinum are also available for an additional cost.



524 12 - 2400 l/mm, coating Al, polarization TM

NOTE:

These efficiency curves are absolute theoretical efficiencies, calculated using rigorous electromagnetic theory, taking into account the true groove profiles of

manufactured gratings measured with an atomic force microscope (AFM). These curves are for reference only and do not indicate grating specifications.

Dye laser gratings

FAX FORM

For more information or custom grating / mirror quotations, please complete the corresponding request info on our web site: www.jobinyvon.com or send this completed form by fax.

The personal details that we use to provide or promote our products and services (for example your name and telephone number), will NOT be passed to ANY organization beyond the HORIBA Group, its Subsidiary or Associate Companies, Agents or Distributors to be used for marketing purposes.

Your Contact Details:

Last Name:	First Name:
Title:	Organization:
Dept:	Address:
State/Province:
Country:	Postal Code:
(USA please include Zip)	
Telephone:	E-Mail:
Fax:	

Please keep me informed with up-to-date information.

Your Interest

My interest is:

- Information only Possible purchase I have funding I am applying for funds

I intend to purchase

- Now! Within 3 months Within 6 months Within 12 months More than 12 months

Salesperson please call

Please Send Product Information For:

Gratings & OEM

- Diffraction Gratings
 Pulse Compression Gratings
 OEM Spectrometers
 Imaging CCDs
 Multi Channel Imaging

Vacuum UV

- Monochromators & Spectrographs
 Mirrors
 Gratings

My Application is:

We would be interested in learning more about your application. Please give details below:

.....
.....

Comments

Please include any comments or further information about your requirement below:

.....
.....

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COMPANY PROFILE

HORIBA Jobin Yvon is one of the world's largest manufacturers of analytical and spectroscopic systems and components and we are committed to serving our customers with superior products and technical support.

Established in 1819, Jobin Yvon is part of the HORIBA Group which employs more than 4,500 people worldwide, with annual sales in excess of \$900,000,000.

HORIBA Jobin Yvon, Sofie, Dilor, Spex and IBH are some of our well known and respected brand names.

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(All HORIBA Jobin Yvon companies were formerly known as Jobin Yvon)

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