

**INO-CNR: Sede Secondaria di Napoli**

c/o Comprensorio Olivetti Via Campi Flegrei 34 - 80078 Pozzuoli (NA). Tel.: 081-8675424/6, Fax: 081-8675420.

- <http://www.ino.it/Napoli>**PROPOSTA di AGGIUDICAZIONE di BENI**

Al Responsabile del CNR-INO - Sede Secondaria di Napoli

Il Responsabile Unico del Procedimento Ricciardi Iolanda

Vista la Determina a contrattare: Protocollo CNR\_INO num.3015 del 12/04/2021

Ritenuto di acquisire la fornitura mediante Acquisto fuori MEPA e con modalità: affidamento diretto art.36 D.Lgs 50/2016

Elenco degli operatori economici in grado di svolgere la fornitura, via EMail o WEB:

Denominazione e/o Ragione Sociale	Codice Fiscale	Data di Invio EMail	Totale Preventivo	File Preventivo Firmato
Laser Optronic S.R.L	06109950151	14/04/2021	559€	ID3708Prev_LaserOptron_.pdf
Thorlabs Inc	nocodicefiscale	16/04/2021	342€	ID3708Prev_ThorlabsInc.pdf
Edmund Optics Inc	nocodicefiscale	16/04/2021	405€	ID3708Prev_EdmundOptic_.pdf

è stato valutato quanto pervenuto ed è stato riscontrato quanto segue:

Tutti i preventivi sono adeguati, ma non sono omogenei per spese di spedizione. Inoltre i prodotti quotati differiscono per alcune caratteristiche.

quindi si propone di aggiudicare la fornitura a Laser Optronic S.R.L per la seguente motivazione:

la ditta Laser Optronic S.R.L. fornisce il materiale con i requisiti richiesti (efficienza dei reticoli e regolazione su tre assi per il supporto meccanico).

E' stato rispettato il principio di rotazione di cui all'art. 30 comma 1 del D.Lgs. 50/2016 cioè non è stato reinvitato alla procedura il contraente uscente e/o l'operatore economico invitato e non affidatario del precedente affidamento nella stessa voce di spesa.

Propone l'aggiudicazione della fornitura alla ditta Laser Optronic S.R.L per un importo complessivo di 559 EUR IVA esclusa; l'offerta è ritenuta congrua e proficua, in rapporto alla qualità della prestazione, e rispetta gli attuali parametri di mercato.

Quindi chiede di procedere per addvenire all'acquisto dei seguenti beni:

Descrizione	Quantità	Valuta	Prezzo Unitario	Prezzo Totale
Reticolo di diffrazione (1200 righe /mm, lunghezza d'onda di massima efficienza: 1000 nm, dimensioni 25x25 mm, efficienza > 90%)	2	EUR	176,00	352,00
Supporto meccanico per reticoli di diffrazione, con regolazione su tre assi	1	EUR	167,00	167,00
Spese di spedizione	1	EUR	40,00	40,00
			<b>Imponibile (no IVA) in EUR</b>	<b>559,00</b>

CIG: Z4D315B3FF CUP: B59C20003290005

Napoli, 16 aprile 2021

Il Responsabile Unico del Procedimento



Spett.le  
CNR - INO  
Via Campi Flegrei, 19  
80078 Pozzuoli

**Att.ne Dott.ssa Iolanda Ricciardi**

Campagnano, 14.04.2021

**OGGETTO: OFFERTA N. 21.032/SS/GM PER MATERIALE NS RAPPRESENTATA NEWPORT  
Vs. RIFERIMENTI CIG: Z4D315B3FF CUP: B59C20003290005**

Gentile Dott.ssa Ricciardi,

come da Sua richiesta, inviamo la ns. offerta per il materiale di Suo interesse:

POS.	Q.TÀ	DESCRIZIONE	PREZZO UNIT. EURO
1	2	<b>MOD. 33009FL01-530R</b> Diffraction Grating, Plane Ruled, 25 x 25 mm, 1000 nm, 36.8° Blaze, 1200 Gr/mm <a href="https://www.newport.com/p/33009FL01-530R">https://www.newport.com/p/33009FL01-530R</a>	176,00
2	1	<b>MOD. DGA-25</b> Diffraction Grating Mount, 25 mm, 3-axis <a href="https://www.newport.com/p/DGA-25">https://www.newport.com/p/DGA-25</a>	167,00
3	1	Spese di handling e spedizione F.co Vostro	40,00

**CONDIZIONI DI FORNITURA**

**N. B. : In caso di ordine, per facilitarne l'evasione, si prega di citare per esteso le seguenti condizioni di fornitura.**

**Resa** : F.co ns. magazzino di Milano  
**Pagamento** : bonifico bancario a 30 gg. d.f.  
**Ordine minimo** : 200 euro  
**Consegna** : 8 settimane da ric. ordine  
**Prezzi** : In Euro, I.V.A. esclusa.  
**Validità offerta** : **30 giorni dalla data della presente.**

Non esiti a ricontattarci per eventuali ulteriori informazioni che dovessero rendersi necessarie.

Distinti saluti,  
Stefano Scotto



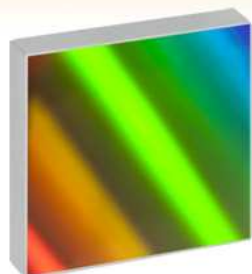
Laser Optronics S.R.L. - Ufficio di Roma -  
Tel. 06/9041786 - fax 06/9041470 e-mail [scotto@laseroptronic.it](mailto:scotto@laseroptronic.it)

Products Home / Optical Elements / Diffraction Gratings / Near-IR Ruled Reflective Diffraction Gratings



## Near-IR Ruled Reflective Diffraction Gratings

- Gratings with 750 nm to 1600 nm Blaze Wavelengths
- Higher Efficiencies than Holographic Gratings



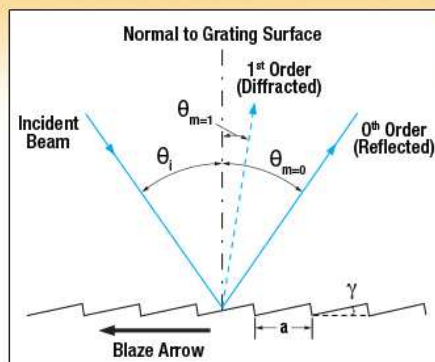
**GR50-0310**  
50 mm x 50 mm  
1000 nm Blaze Wavelength



**GR13-0616**  
12.7 mm x 12.7 mm  
1600 nm Blaze Wavelength



**GR25-0608**  
25 mm x 25 mm  
750 nm Blaze Wavelength



See the *Gratings Tutorial* Tab Below for Definitions and Equations

### Related Items

Other Gratings



Grating Mount Adapters



Kinematic Rectangular Optic Mount



USB Spectrometers



Overview | Gratings Tutorial | Gratings Guide | Feedback

### Features

- Blaze Wavelengths from 750 to 1600 nm
- High Grating Efficiency of 60 to 80% at Blaze Wavelength
- Low Ghosting, <0.5% of Parent Line
- Aluminum Reflective Coating
- Soda Lime Glass Substrate with 300 to 1200 Grooves/mm
- Produced from Ruled Original

Thorlabs offers ruled diffraction gratings for use in the near-IR region. These gratings will have a relatively sharp efficiency peak offers their blaze wavelength and are produced from ruled originals. They are offered with different blaze angles to suit a variety of applications in spectroscopy and analysis where high efficiency is of primary concern. For more information, please click on the *Gratings Tutorial* tab above. We also offer [holographic gratings](#), which do not produce ghosting effects at the expense of efficiency. For information regarding the differences between grating types, please click on the *Gratings Guide* tab above.

Please note that these gratings are bare aluminum and do not contain an overcoat. However, custom MgF<sub>2</sub> or gold coatings are available to protect the aluminum surface of the gratings. The gold coating offers high performance in the IR, while the MgF<sub>2</sub> coating offers the best protection; contact [Tech Support](#) for further details.



[Click to Enlarge](#)  
Diffraction Grating Mounted in [Polaris Mirror Mount](#) Using [Diffraction Grating Adapter](#)

### Selection Guide

#### Reflective Gratings

Ruled	<a href="#">UV</a>
	<a href="#">Visible</a>
	<a href="#">Near IR</a>
	<a href="#">Mid IR</a>

#### [Holographic](#)

#### [Echelle](#)

#### Transmission Gratings

#### [UV](#)

#### [Visible](#)

#### [Near IR](#)

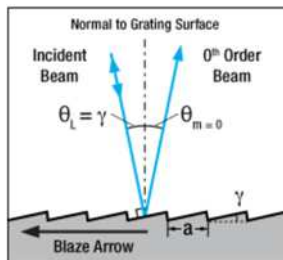
### Mounts and Adapters

Thorlabs offers a variety of mounts and adapters for precise and stable mounting and aligning square optics. All of Thorlabs' gratings can be mounted directly into the [KM100C](#) Right-Handed or [KM100CL](#) Left-Handed Kinematic Rectangular Optic Mount. Gratings can also be mounted in one of three [Kinematic Grating Mount Adapters](#) which can be used with any of [Thorlabs' Ø1" Mirror Mounts](#), including the [POLARIS-K1](#) Ultra-Stable Kinematic Mirror Mount.

### Warning

Optical gratings can be easily damaged by moisture, fingerprints, aerosols, or the slightest contact with any abrasive material. Gratings should only be handled when necessary and always held by the sides. Latex gloves or a similar protective covering should be worn to prevent oil from fingers from reaching the grating surface. No attempt should be made to clean a grating other than blowing off dust with clean, dry air or nitrogen. Solvents will likely damage the grating's surface.

Thorlabs uses a clean room facility for assembly of gratings into mechanical setups. If your application requires integrating the grating into a sub-assembly or a setup please contact [Tech Support](#) to learn more about our assembly capabilities.



[Click to Enlarge](#)

Ruled Diffraction Grating Used in Littrow Configuration ( $\theta_i = \gamma$ )  
(Note: 1<sup>st</sup> Order Beam is Collinear and Antiparallel to Incident Beam)

## 750 nm Blaze Wavelength Reflective Diffraction Gratings



[Zoom](#)

Item #	Dimensions (W x H x D)	Blaze Wavelength	Grooves/mm	Blaze Angle	Dispersion	Efficiency Curves <sup>a,b</sup>
GR13-0608	12.7 mm x 12.7 mm x 6 mm	750 nm	600	13°0'	1.62 nm/mrad	
GR25-0608	25 mm x 25 mm x 6 mm					
GR50-0608	50 mm x 50 mm x 9.5 mm		1200	26°44'	0.74 nm/mrad	
GR13-1208	12.7 mm x 12.7 mm x 6 mm					
GR25-1208	25 mm x 25 mm x 6 mm					

a. All gratings utilize an aluminum reflective coating. The efficiency data is measured in the Littrow mounting configuration and provided for reference only. Actual grating efficiency is 60 to 80% at the blaze wavelength.

b. For diffraction gratings, parallel and perpendicular polarization are defined with respect to the lines of the grating.

Based on your currency / country selection, your order will ship from Munich, Germany

+1	Qty	Docs	Part Number - Universal	Price ex VAT	Available
<input type="text" value="+1"/>	<input type="text"/>		<a href="#">GR13-0608</a> Ruled Reflective Diffraction Grating, 600/mm, 750 nm Blaze, 12.7 x 12.7 x 6 mm	64,68 €	Today
<input type="text" value="+1"/>	<input type="text"/>		<a href="#">GR25-0608</a> Ruled Reflective Diffraction Grating, 600/mm, 750 nm Blaze, 25 x 25 x 6 mm	106,23 €	Today
<input type="text" value="+1"/>	<input type="text"/>		<a href="#">GR50-0608</a> Ruled Reflective Diffraction Grating, 600/mm, 750 nm Blaze, 50 x 50 x 9.5 mm	185,91 €	<a href="#">5-8 Days</a>
<input type="text" value="+1"/>	<input type="text"/>		<a href="#">GR13-1208</a> Ruled Reflective Diffraction Grating, 1200/mm, 750 nm Blaze, 12.7 x 12.7 x 6 mm	64,68 €	Today

**GR25-1208** Ruled Reflective Diffraction Grating, 1200/mm, 750 nm Blaze, 25 x 25 x 6 mm

106,23 €

[Lead Time](#)

Add To Cart

**1 μm Blaze Wavelength Reflective Diffraction Gratings**[Zoom](#)

Item #	Dimensions (W x H x D)	Blaze Wavelength	Grooves/mm	Blaze Angle	Dispersion	Efficiency Curves <sup>a,b</sup>
GR13-0310	12.7 mm x 12.7 mm x 6 mm	1 μm	300	8° 36'	3.30 nm/mrad	
GR25-0310	25 mm x 25 mm x 6 mm					
GR50-0310	50 mm x 50 mm x 9.5 mm					
GR13-0610	12.7 mm x 12.7 mm x 6 mm		600	17° 27'	1.59 nm/mrad	
GR25-0610	25 mm x 25 mm x 6 mm					
GR50-0610	50 mm x 50 mm x 9.5 mm					
GR13-1210	12.7 mm x 12.7 mm x 6 mm		1200	36° 52'	0.67 nm/mrad	
GR25-1210	25 mm x 25 mm x 6 mm					
GR50-1210	50 mm x 50 mm x 9.5 mm					

a. All gratings utilize an aluminum reflective coating. The efficiency data is measured in the Littrow mounting configuration and provided for reference only. Actual grating efficiency is 60 to 80% at the blaze wavelength.

b. For diffraction gratings, parallel and perpendicular polarization are defined with respect to the lines of the grating.

Based on your currency / country selection, your order will ship from Munich, Germany

+1	Qty	Docs	Part Number - Universal	Price ex VAT	Available
	<input type="text"/>		<a href="#">GR13-0310</a> Ruled Reflective Diffraction Grating, 300/mm, 1 μm Blaze, 12.7 x 12.7 x 6 mm	64,68 €	Today
	<input type="text"/>		<a href="#">GR25-0310</a> Ruled Reflective Diffraction Grating, 300/mm, 1 μm Blaze, 25 x 25 x 6 mm	106,23 €	Today
	<input type="text"/>		<a href="#">GR50-0310</a> Ruled Reflective Diffraction Grating, 300/mm, 1 μm Blaze, 50 x 50 x 9.5 mm	185,91 €	<a href="#">5-8 Days</a>
	<input type="text"/>		<a href="#">GR13-0610</a> Ruled Reflective Diffraction Grating, 600/mm, 1 μm Blaze, 12.7 x 12.7 x 6 mm	64,68 €	Today
	<input type="text"/>		<a href="#">GR25-0610</a> Ruled Reflective Diffraction Grating, 600/mm, 1 μm Blaze, 25 x 25 x 6 mm	106,23 €	Today
	<input type="text"/>		<a href="#">GR50-0610</a> Ruled Reflective Diffraction Grating, 600/mm, 1 μm Blaze, 50 x 50 x 9.5 mm	185,91 €	<a href="#">Lead Time</a>
	<input type="text"/>		<a href="#">GR13-1210</a> Ruled Reflective Diffraction Grating, 1200/mm, 1 μm Blaze, 12.7 x 12.7 x 6 mm	64,68 €	Today
	<input type="text"/>		<a href="#">GR25-1210</a> Ruled Reflective Diffraction Grating, 1200/mm, 1 μm Blaze, 25 x 25 x 6 mm	106,23 €	Today
	<input type="text"/>		<a href="#">GR50-1210</a> Ruled Reflective Diffraction Grating, 1200/mm, 1 μm Blaze, 50 x 50 x 9.5 mm	185,91 €	<a href="#">Lead Time</a>

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**1.25 μm Blaze Wavelength Reflective Diffraction Gratings**[Zoom](#)

Item #	Dimensions (W x H x D)	Blaze Wavelength	Grooves/mm	Blaze Angle	Dispersion	Efficiency Curves <sup>a,b</sup>
GR25-0613	25 mm x 25 mm x 6 mm	1.25 μm	600	22° 1'	1.55 nm/mrad	
GR50-0613	50 mm x 50 mm x 9.5 mm					

a. All gratings utilize an aluminum reflective coating. The efficiency data is measured in the Littrow mounting configuration and provided for reference only. Actual grating efficiency is 60 to 80% at the blaze wavelength.

b. For diffraction gratings, parallel and perpendicular polarization are defined with respect to the lines of the grating.

Based on your currency / country selection, your order will ship from Munich, Germany

+1	Qty	Docs	Part Number - Universal	Price ex VAT	Available
	<input type="text"/>		<a href="#">GR25-0613</a> Ruled Reflective Diffraction Grating, 600/mm, 1.25 μm Blaze, 25 x 25 x 6 mm	106,23 €	Today
	<input type="text"/>		<a href="#">GR50-0613</a> Ruled Reflective Diffraction Grating, 600/mm, 1.25 μm Blaze, 50 x 50 x 9.5 mm	185,91 €	Today

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**1.6 μm Blaze Wavelength Reflective Diffraction Gratings**[Zoom](#)

Item #	Dimensions (W x H x D)	Blaze Wavelength	Grooves/mm	Blaze Angle	Dispersion	Efficiency Curves <sup>a,b</sup>
GR13-0616	12.7 mm x 12.7 mm x 6 mm	1.6 μm	600	28° 41'	1.46 nm/mrad	
GR25-0616	25 mm x 25 mm x 6 mm					
GR50-0616	50 mm x 50 mm x 9.5 mm					

a. All gratings utilize an aluminum reflective coating. The efficiency data is measured in the Littrow mounting configuration and provided for reference only. Actual grating efficiency is 60 to 80% at the blaze wavelength.

b. For diffraction gratings, parallel and perpendicular polarization are defined with respect to the lines of the grating.

Based on your currency / country selection, your order will ship from Munich, Germany

+1	Qty	Docs	Part Number - Universal	Price ex VAT	Available
	<input type="text"/>		<a href="#">GR13-0616</a> Ruled Reflective Diffraction Grating, 600/mm, 1.6 μm Blaze, 12.7 x 12.7 x 6 mm	64,68 €	Today
	<input type="text"/>		<a href="#">GR25-0616</a> Ruled Reflective Diffraction Grating, 600/mm, 1.6 μm Blaze, 25 x 25 x 6 mm	106,23 €	Today
	<input type="text"/>		<a href="#">GR50-0616</a> Ruled Reflective Diffraction Grating, 600/mm, 1.6 μm Blaze, 50 x 50 x 9.5 mm	185,91 €	<a href="#">5-8 Days</a>

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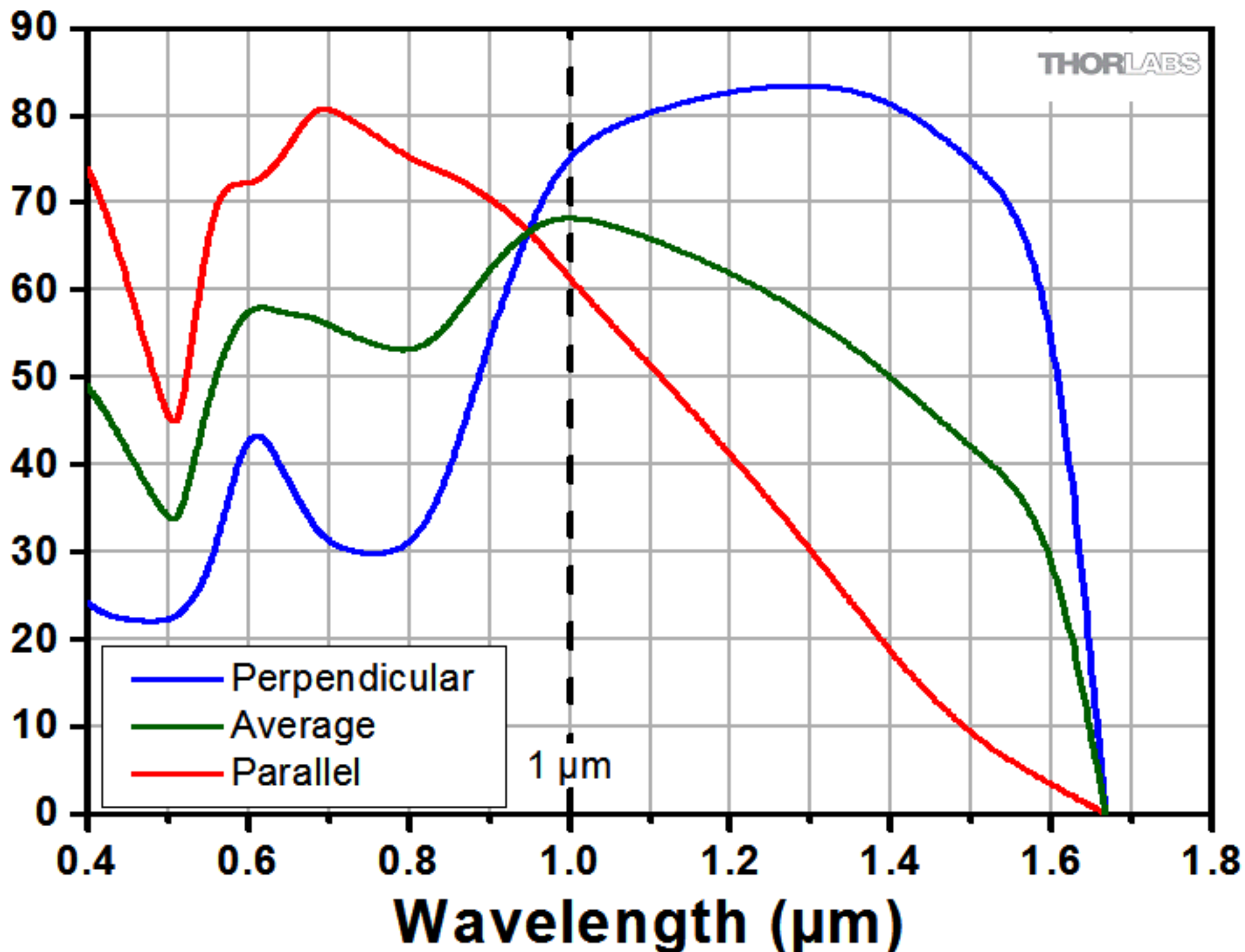
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Sales: +49 (0) 8131-5956-0  
Technical Support: +49 (0) 8131-5956-2

# 1 $\mu\text{m}$ Blaze Wavelength: 1200 Grooves/mm

Absolute Efficiency (%)

THORLABS



Products Home / Optomechanical Components / Optomechanical Mounts / Fixed Optic Mounts / Kinematic Grating Mount Adapters for Ø1" Mirror Mounts

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### Kinematic Grating Mount Adapters for Ø1" Mirror Mounts

- ▶ Compatible with all Ø1" Mirror Mounts
- ▶ Accommodate Gratings up to 60 mm Tall
- ▶ Spring-Loaded Clamping Design
- ▶ Top-Located Locking Setscrew



KGM40 Grating Adapter, POLARIS-K1 Mount, and GR25-030 Grating

**Related Items**

- Polaris® Mirror Mounts
- Gratings
- Mirror Mounts
- Square Mirrors

Overview Feedback

#### Features

- Mount [Gratings](#) or [Rectangular Mirrors](#) in Ø1" Mirror Mounts
- Stable 3-Point Kinematic Mounting
- Three Models Accommodate Optics up to 60 mm Tall

This simple, versatile family of anodized aluminum grating adapters is compatible with Thorlabs' Ø1", front-loading, unthreaded mirror mounts, including the [POLARIS-K1](#) ultra-stable kinematic mirror mount. Rectangular optics up to 60 mm tall may be mounted in the appropriate model (see table below; please note that for optics exactly 20 mm tall the KGM40 must be used).

Gratings and rectangular mirrors can be accommodated by simply sliding the upper and lower clamps on the adapter to match the desired optic height. These clamps slide in machined grooves and are tightened into place with two M3 screws located on the back side of the mount (see photo below). The 3-point, kinematic mounting mechanism consists of two bottom lines of contact and a top flat-spring contact as shown in the photo to the right. An additional nylon-tipped, locking setscrew located on the top clamp provides added holding force.



3-Point Kinematic Mounting

Grating Compatibility			
Item #	Grating Height	Grating Width	Grating Thickness <sup>a</sup>
KGM20	<20 mm	12 mm (Min)	4 - 8 mm
KGM40	20 - 40 mm	18 mm (Min)	5 - 10 mm
KGM60	40 - 60 mm	32 mm (Min)	6 - 12 mm

a. Maximum thickness values are recommended. Thicker optics may not have sufficient contact with the mount to remain stable.



Back Side of Adapter

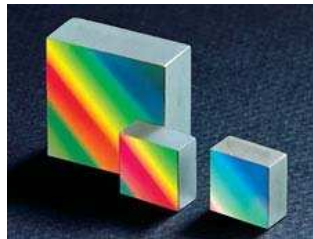
Based on your currency / country selection, your order will ship from Munich, Germany

+1	Qty	Docs	Part Number - Universal	Price ex VAT	Available
<input type="text"/>	<input type="text"/>		<b>KGM20</b> Kinematic Grating Mount Adapter (Grating Height <20 mm)	107,23 €	Today
<input type="text"/>	<input type="text"/>		<b>KGM40</b> Kinematic Grating Mount Adapter (Grating Height: 20-40 mm)	129,84 €	Today
<input type="text"/>	<input type="text"/>		<b>KGM60</b> Kinematic Grating Mount Adapter (Grating Height: 40-60 mm)	161,32 €	Today

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## 1200 Grooves, 25mm Square, 1000nm NIR Ruled Grating



Stock # 43-852

**€145.00**


Qty 1-10

€145.00

Qty 11

€130.50

Volume Pricing

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1 

<b>Groove Density (grooves/ mm):</b>	1200
<b>Wavelength Range (nm):</b>	700 - 3000
<b>Blaze Wavelength (nm):</b>	1000
<b>Blaze Angle (°):</b>	36.87
<b>Dimensions (mm):</b>	25.0 x 25.0 ±0.5
<b>Clear Aperture (%):</b>	90
<b>Coating:</b>	Bare Gold
<b>Construction:</b>	Ruled Grating
<b>Direction of Grooves:</b>	Parallel to Short Dimension
<b>Length (mm):</b>	25.00
<b>Substrate:</b>	Float Glass
<b>Thickness (mm):</b>	9.50 ±0.5



<b>Type:</b>	Reflective Diffraction Grating
<b>Width (mm):</b>	25.00
<b>Alignment of Grooves to Edge (°):</b>	±0.5

## Regulatory Compliance

**RoHS 2015:** [Compliant](#)

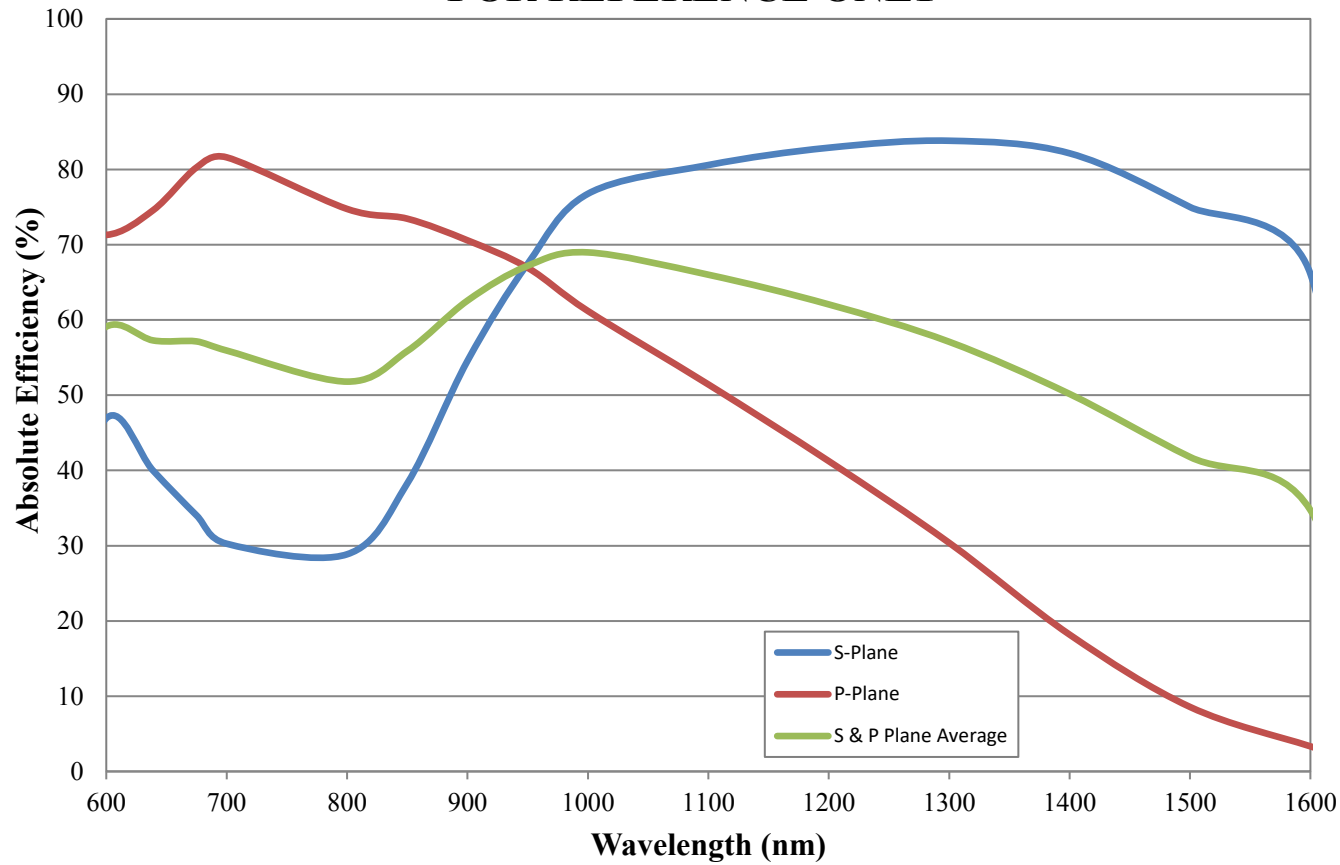
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# Efficiency Curve

Edmund Optics Inc.  
USA | Asia | Europe

## 1200 Grooves, 1000nm NIR Ruled Grating Absolute Efficiency FOR REFERENCE ONLY



EFFICIENCY CURVE

Size of Compatible Optics  
(mm) ††Number of Adjustment  
Screws ††

Compare

Stock  
Number ††

Price

Family ID #2782

**TECHSPEC® Kinematic Square Optical Mounts**

TECHSPEC® Kinematic Square Optical Mounts






- 100 TPI Fine Adjustment Screws
- Fingercuts for Convenience and Accuracy
- Tip/Tilt Range:  $\pm 5^\circ$

**Common Specifications**

<b>Construction:</b>	Aluminum Plates, Stainless Steel Screws, and Brass Thread Bushings
<b>Type of Optics:</b>	Square
<b>Min. Thickness of Compatible Optics (mm):</b>	1.0
<b>Adjustment Screw Pitch (mm):</b>	0.25
<b>Fine Tilt Angle (<math>^\circ</math>):</b>	$\pm 5$
<b>Fine Tip Angle (<math>^\circ</math>):</b>	$\pm 5$
<b>Thermal Stability (<math>\mu\text{rad}</math>):</b>	<5
<b>Pointing Stability (<math>\mu\text{rad}</math>):</b>	1.3
<b>Compatible Post:</b>	M4 x 0.7, 8-32

MORE+	12.5/12.7	2	<a href="#">#58-856</a>	<b>€95.00</b> Qty 5+ €85.50 <a href="#">Request Quote</a>	2-3 DAYS	1 <input type="text"/> <input type="button" value="Add to Cart"/>
MORE+	25.0/25.4	2	<a href="#">#58-857</a>	<b>€105.00</b> Qty 5+ €94.50 <a href="#">Request Quote</a>	✓In Stock	1 <input type="text"/> <input type="button" value="Add to Cart"/>
MORE+	50.0/50.8	2	<a href="#">#58-858</a>	<b>€125.00</b> Qty 5+ €112.50 <a href="#">Request Quote</a>	2-3 DAYS	1 <input type="text"/> <input type="button" value="Add to Cart"/>
MORE+	12.5/12.7	3	<a href="#">#58-859</a>	<b>€105.00</b> Qty 5+ €94.50 <a href="#">Request Quote</a>	2-3 DAYS	1 <input type="text"/> <input type="button" value="Add to Cart"/>
MORE-	25.0/25.4	3	<a href="#">#58-860</a>	<b>€115.00</b> Qty 5+ €103.50 <a href="#">Request Quote</a>	✓In Stock	1 <input type="text"/> <input type="button" value="Add to Cart"/>



	Size of Compatible Optics (mm) 	Number of Adjustment Screws 	Compare	Stock Number 	Price
					
<b><u>25/25.4mm Sq. Kinematic Mount, 3 Screws</u></b> Stock #58-860					
<a href="#">eDrawings: eprt</a> <a href="#">IGES</a> <a href="#">PDF Drawings</a> <a href="#">STEP: step</a> <a href="#">Download All</a>					
<b>Type:</b> Adjustable - Tip-Tilt					
<b>Construction:</b> Aluminum Plates, Stainless Steel Screws, and Brass Thread Bushings					
<b>Type of Optics:</b> Square					
<b>Size of Compatible Optics (mm):</b> 25.0/25.4					
<b>Clear Aperture CA (mm):</b> 22.9 x 22.9					
<b>Min. Thickness of Compatible Optics (mm):</b> 1.0					
<b>Number of Adjustment Screws:</b> 3					
<b>Adjustment Screw Pitch (mm):</b> 0.25					
<b>Fine Tilt Angle (°):</b> ±5					
<b>Fine Tip Angle (°):</b> ±5					
<b>Travel (mm):</b> Z-Axis: 8					
<b>Angle Tolerance (°):</b> 0.4 per 0.25mm turn					
<b>Sensitivity per 1° Knob Rotation (arcsec):</b> 4					
<b>Thermal Stability (μrad):</b> <5					
<b>Pointing Stability (μrad):</b> 1.3					
<b>Compatible Post:</b> M4 x 0.7, 8-32					
<b>Regulatory Compliance</b>					
<b>RoHS:</b> Not Compliant					
MORE+	50.0/50.8	3	<a href="#">#58-861</a>	<b>€139.00</b> Qty 5+ €125.25 <a href="#">Request Quote</a>	<b>✓In Stock</b> 1 

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