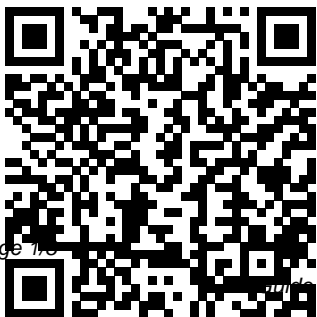


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# Guide Number Flash Photography

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Understanding Guide Numbers | B&H Explora  
Based on ISO and aperture values selected by the photographer, the flash controls the light output based on distance to the subject. In some ways, it ' s a reverse guide number mode. Rather than tell the flash how much power to kick out, we give the flash the information it needs to make that determination for us. What About Lens Coverage?  
Guide number - Wikipedia  
Flash Guide Number | Beginners Tutorial | Photography Tips  
Flash Guide Number - OnSet ep. 70  
Guide Number Misconceptions / Understanding Flash Power on

Strobes \u0026 Speedlights Zaack Arias: Aperture/Flash Relationship  
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Photography Tutorial #3 The essentials of flash guide numbers  
Understanding Guide Number \u0026 Flash Brightness - Photography Tips  
Guide Number? Tilt? Zoom? Common Flash Features Explained  
Learn The S1 \u0026 S2 Modes Of Flashes  
How To Set Your Aperture, Shutter Speed and ISO When Shooting Flash | Q\u0026A Ep.39 pt2  
Manual Flash Techniques with Your DSLR Part Three  
Guide Numbers Let's Learn About Zooming your Speedlights  
Lighting Outdoors, Photography Tutorial. Adding Depth on an Overcast Day 5  
Tips for On-Camera Flash  
\$30 vs. \$350: Speedlite Showdown! (Amazon Basics Speedlite Review)  
The 888 Formula For Remote Flash

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Guide Numbers Demystified  
Understanding Flash Features: Guide Number, Recycle Time and Zoom

Flash photography for beginners part 1 Flash Photography for Film Shooters Using The Guide Number System Guide Number GN Flash Fotografi Beginner's Guide to Flash Photography | When and Why to use a Speedlight

*Beginner's Guide to Flash Photography - Tips, Tricks and ...*

The magnitude of guide numbers is a function of the following four variables: The

total luminous energy (in lumen?seconds) emitted by the flash head (which is itself the product of the duration and... The solid angle subtended by the circular- or rectangular-profile beam as it leaves the flash head ...

*What Is Guide Number In Flash Photography | calendar ...*

Guide Number (GN) is a numerical method used to determine exposure of direct flash for Manual flash power levels, to

automatically deal with the Inverse Square Law, making the math be trivial. The reference base is a known accurate Guide Number for one situation, from which other situations can be calculated.

Flash Guide Number - The Digital SLR Guide

Set flash output to 1/32 on your flashgun as a starting point (we can increase the

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power if necessary later).  
Now hold or position a reflector to the side of the subject – the side opposite the...

Making Sense of Your Flash's Guide Number - DIY Photography

The flash guide number (GN) is a measure of the distance at which the flash can illuminate a subject. The higher the guide number, the greater the distance at which the light from the flash is sufficient for optimal exposure.

The formula for calculating the guide number is as follows:

Guide number (GN)=distance (meters) × aperture (f-number)

Flash Photography - Understanding Guide Numbers

A flash 's power is determined by its Guide Number, with low Guide Numbers (GN) indicating a weak or less powerful flash than one with a high GN. For ease of comparison, most flash GNs are rated for an ISO 100 film. If you use a film with a

lower ISO the GN will be lower, and, conversely, if you use a higher speed film the GN will be higher.

Tutorial: How to use the guide number of your flash - Tangents  
Flash guide numbers, just like the Inverse Square Law, are one of the mysterious specifications about portable flashes that keep many new photographers from using them in Manual mode. But once you understand what a guide number is and how to calculate it, using a manual flash becomes much easier.

\* Flash guide number (Photography) - Definition - Online ...

real guide number = aperture \* distance between flash and image subject  
The effective guide number can be different depending on factors like the subject's light reflection or alternate flash usage ways like indirect flashing or flash reflector adjustment. Modern all-automatic cameras don't let the users worry about all that stuff.

Guide Number Flash Photography

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## Flash photography: the Sunny 16 Rule & Flash Guide Number

The Excel worksheet "Flash Guide Numbers" lets you explore how a flash's guide number is determined and how that number affects the aperture you can use and the flash to subject distance. Calculating a Guide Number Section 1. f/stop used is where you enter the f/stop used to take the photo.

Guide number | Camerapedia | Fandom Power of an underwater flash is usually given by a guide number. The higher the guide number, the stronger the strobe. The precise formula for guide number = distance \* F-stop. For example, a strobe with a stated guide number of 20 (meters, above water) might have a guide number of 10

underwater.

Guide Numbers Explained for Manual Flash - Calculator ...

In order to understand how a flash guide number is calculated, you first have to understand two common digital SLR camera settings: aperture and ISO.

Aperture is the width of the opening in the camera's lens - a wider aperture allows more light to land on the camera's sensor [Underwater Strobe Guide - Underwater Photography Guide](#)

Now that we know where to, and where not to, put a flash, we talk about the flash guide number. A guide number is just that, a guide, and you won't likely find it on your flash anywhere. We look at...

Compare Power Rating of Camera Flashes with Guide Numbers

Guide Number simply is the multiplied product of (flash distance x f/stop) for a

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proper exposure situation (normally specified for ISO 100). For example, if a certain Guide Number were equal to 100 (feet), then it says a correct direct flash exposure is f/20 at 5 feet, or f/5 at 20 feet, or f/10 at 10 feet, etc.

[Flash Guide Number | Beginners Tutorial | Photography Tips](#)  
[Flash Guide Number - OnSet ep. 70](#)  
[Guide Number Misconceptions / Understanding Flash Power on Strobes \u0026 Speedlights](#)  
[Zack Arias: Aperture/Flash Relationship](#)  
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[Learn The S1 \u0026 S2 Modes Of Flashes](#)  
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[Speed and ISO When Shooting Flash | Q\u0026A Ep.39 pt2](#)  
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[\\$30 vs. \\$350: Speedlite Showdown! \(Amazon Basics Speedlite Review\)](#)  
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[Guide Numbers Demystified](#)  
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[Flash photography for beginners part 1](#)  
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Shooters Using The Guide Number System Guide Number GN Flash Fotografi Beginner's Guide to Flash Photography | When and Why to use a Speedlight

Flash Photography - Understanding Guide Numbers  
Guide Number simply is the multiplied product of (flash distance x f/stop) for a proper exposure situation (normally specified for ISO 100).

Understanding Camera Flash Guide Numbers, plus GN Calculator

If the guide number is 110 ... (which is very close for the Nikon SB-900 / SB-910 and Canon 580EX II and Canon 600EX-RT for the flash-head zoomed to 35mm.) Now, with the GN = aperture x distance, then the Guide Number of 110 implies that at full power (with the flash-head zoomed to around 35mm), we need:  $110 = 11 \times \text{distance}$

Flash photography made easy: from simple shots to advanced ...

As a method of standardizing the process, manufacturers use

ISO 100 and a flash-to-subject distance of 10' as fixed reference points when calibrating guide numbers. An example of this formula: a flash unit with a GN of 40 would require an aperture of f/4 at a subject-to-flash distance of 10' ( $GN = 10' \times f/4 = 40$ ). Note: Some less-than-scrupulous (and invariably third-party) manufacturers use ISO 200 as their base, which automatically increases the apparent power of the flash unit.

Flash Level (Guide Number) - Nikon | Imaging Products

We hope you enjoyed our Beginner ' s Guide to Flash Photography! If you ' ve mastered the foundation of flash photography be sure to check out our more advanced off-camera flash courses to learn creative tips and techniques to up your flash game or purchase our comprehensive Flash Photography Training System which includes Lighting 101, 201, 3 ...

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Guide number of 34/111.5 (at ISO 100, m/ft., 35-mm zoom head position, in FX format, standard illumination pattern) for high flash output volume. The GN of 118 is close enough to the Nikon 's that the explanation is the same for 35mm flash-head zoom. For the flash zoomed to 35mm, the aperture would be  $118/10 = f/11$ .