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Spring Forward

 Daylight Saving Time begins Sunday, March 10. Set your clocks forward an hour.

Angle Sensor Magnets and Holders

What's a "diametrically-magnetized" magnet?

Conventional disk magnets have the north pole on one end and the south pole on the other, which is ideal for proximity sensing.



But diametrically-magnetized magnets have the poles on opposite sides of the magnet diameter, making them perfect for angle sensors.

Popular Magnets

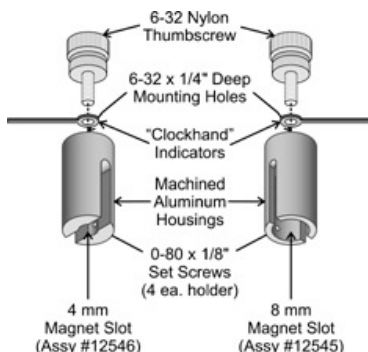
We stock five popular diametrically-magnetized magnets for use with our angle sensors:

NVE Part Number (click to order)	Dia.	Length	Typ. sensor distance (120 Oe nom. field)	Magnet Material and Configuration
12526	4 mm	4 mm	3 mm	C5/Y25 ferrite diametrically-magnetized disk magnets
12249	12.5 mm	3.5 mm	4 mm	
12527	8 mm	4 mm	5 mm	
12528	8 mm	8 mm	6 mm	Alnico-5 round horseshoe magnet with mounting hole
12426*	11 mm	11 mm	8 mm	

*Included in [AG93x-Series](#) and [AG956](#) Evaluation Kits.

Magnet Holders

NVE offers two [magnet holders](#) for evaluation and prototyping:



The holders are machined aluminum. Set screws secure the magnets in the holders and allow magnet position adjustments. There are threaded mounting holes for a thumbscrew to turn the magnet, or the hole can be used to attach the holder to a rotating shaft. A "clockhand" indicator helps track magnet rotation.

The holders drop into [AG93x-Series](#) and [AG956](#) Evaluation Kits and are compatible with several popular diametrically-magnetized disk magnets:

Holder Part # (click to order)	Holder Outside Dimensions	Magnet Diameter	Max. Magnet Length	Compatible Magnets (NVE part #s)
12546	11 mm dia. x 22 mm tall	4 mm	4 mm	12526
12545		8 mm	8 mm	12527 12528

Upcoming Exhibitions



NVE distributor **Hy-Line Power** will display NVE products at **Embedded World**, February 26 to 28, Halle 1/Stand 170, Messe Nürnberg, Germany.

Featured new products will include [IL01x Low-Power Isolators](#).