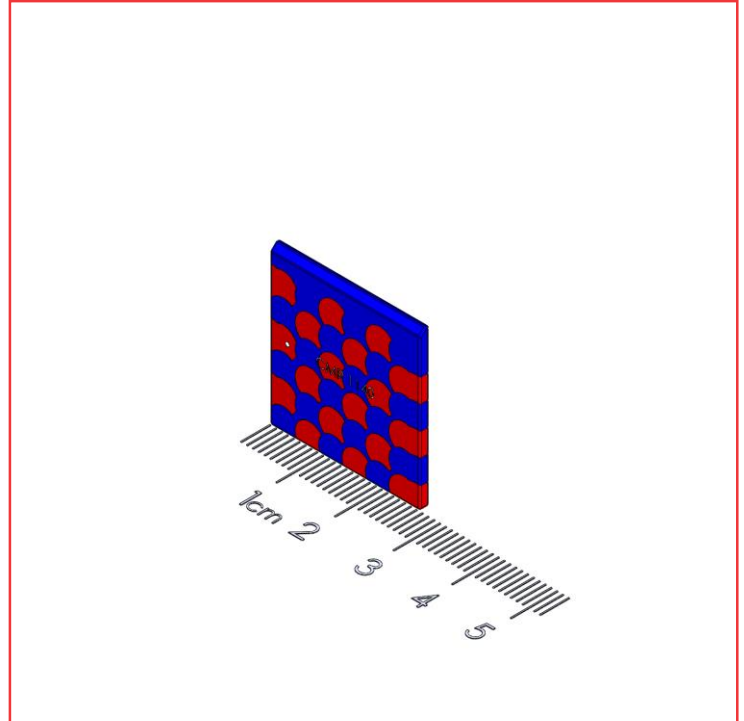


[www.polymagnet.com](http://www.polymagnet.com)

## 1001140

These Attach Polymagnets are designed to have maximum attachment force in both magnet to magnet and magnet to metal applications. Made from Neodymium magnetic material, these magnets exhibit increased attach force and shear strength compared with their conventional counterparts. The Attach magnetic field is focused close to the face of the magnet resulting in higher peak force and a steeper force vs. distance curve. This allows magnetic systems to be tightly controlled to minimize stray fields that interfere with sensitive devices. For more details visit [www.polymagnet.com/blog/Attach](http://www.polymagnet.com/blog/Attach).



### Features and Benefits

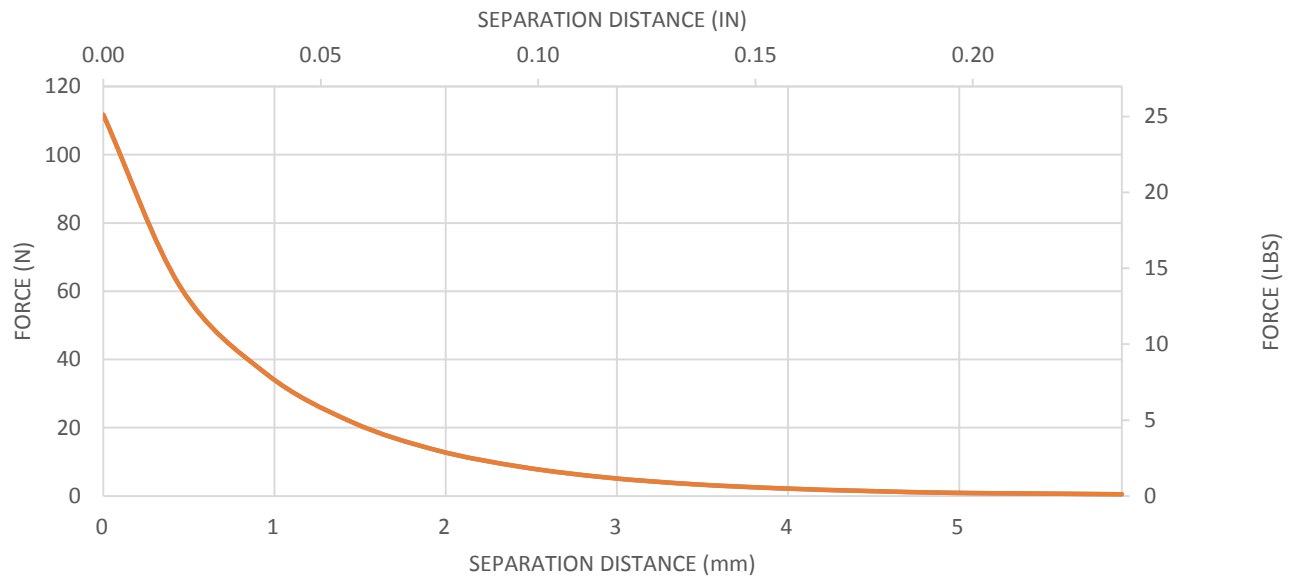
- High strength attachment at close distances
- Lower stray field for reduced interference of nearby components

### Technical Specifications:

#### Dimensions:

Weight:	0.3 oz	(8.1g)
Material:	NdFeB	
Magnet Grade:	N40	
Coating:	NI-CU-NI	
Temperature Rating:	176° F	(80 ° C)
Holding Force at contact (magnet to magnet):	25.1lbs	(111.7N)
Holding Force at contact (magnet to 0.010" steel):	20.5lbs	(91.3N)

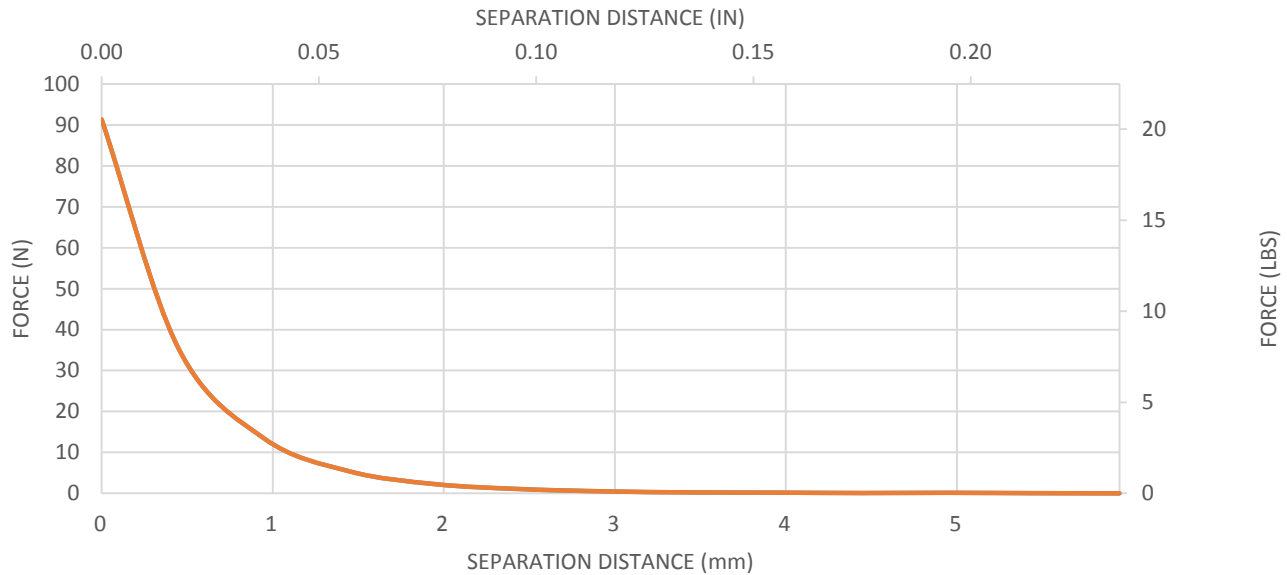
### HOLDING FORCE VS SEPARATION DISTANCE MAGNET TO MAGNET



These Polymagnets provide very strong attachment forces to steel or their mating Polymagnet over their effective range compared to conventional magnets. These magnets are suitable for use with a metal target or another 1001140. The holding strength for these Polymagnets can be enhanced in many applications by using a thin steel shunt directly against the back of the Polymagnet, and this shunt will also help limit stray fields from the magnet.

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### HOLDING FORCE VS SEPARATION DISTANCE MAGNET TO 0.010" (0.25mm) STEEL



### HOLDING FORCE VS SEPARATION DISTANCE MAGNET TO 0.031" (0.79mm) STEEL

