



## FINEMotor PRO FEA™ 2024

- Direct FEA design of RADIAL magnet motors
- FEA design of shorting rings and  $L_e(x)$  calculation in RADIAL magnet motors
- Fast FEA Flux mode
- Instant Pre-calculation mode
- Recommended steel dimensions for avoiding saturation
- Titanium Voice Coil former supported
- Export of  $L_e(x)$  curves and TS parameters in txt format
- Standard Neodymium magnet segments from drop-down list
- Display of available  $X_{max}$  in motor
- Bug fixes

Motor Parts

Magnet Type	N42H Neodymium	
Magnet Size	User Defined	
Edit Magnet Dimensions		
Pole extension		2.00 mm
Magnet to Base Plate		5.00 mm
Recommended Base Plate Thickness	<input checked="" type="checkbox"/>	11.21 mm
Specify Base Plate Thickness		7.50 mm
Recommended Base Plate Thickness outside	<input checked="" type="checkbox"/>	7.73 mm
Specify Base Plate Thickness outside		5.00 mm
Pole ID		10.00 mm
Pole Extension Diameter		43.00 mm
Pole OD (Air gap)		49.00 mm
Recommended Undercut Pole Diameter (Under magnet)	<input checked="" type="checkbox"/>	44.84 mm
Specify Undercut Pole Diameter (Under magnet)		49.00 mm
Recommended Magnet Cup ID (Under magnet)	<input checked="" type="checkbox"/>	65.00 mm
Specify Magnet Cup ID (Under magnet)		64.00 mm
Recommended Magnet Cup OD	<input checked="" type="checkbox"/>	78.97 mm
Specify Magnet Cup OD		76.00 mm

Steel Type: 1010 Steel

