



## ***Elastomeric Rod Ends Support Aircraft Equipment and Reduce Cabin Noise.***

Commercial and defense aircraft manufacturers need to build planes that offer durable support for interior service equipment. Overhead storage bins and other structures need to accommodate changes in alignment while reducing in-flight structure-borne noise.

To meet these and other application parameters, Enidine has developed a family of elastomeric rod ends. Their versatile design supports the load, offers alignment forgiveness, resists radial push-out forces and reduces high frequency noise by 20dB or more (see graph).

Enidine Rod Ends are constructed of a specially developed elastomer, molded between the alodine coated aluminum inner and outer race of a spherical rod end. This special elastomer has unique operating characteristics, producing a part that is highly durable with excellent isolation characteristics. The addition of 7075-T6 lightweight aluminum components gives the rod end great capacity for accommodating high ultimate loads, with the high strength-to-weight ratio required of aerospace applications.

The effectiveness of Enidine Rod Ends is not only limited to commercial aviation. Their versatile design makes them well suited for many aerospace, defense and industrial applications. Elastomeric rod ends are well-suited wherever a standard rod end can be used and there is a need for noise reduction, motion accommodation or zero bearing stop.



*Enidine Rod Ends meet aircraft design specifications by supporting interior equipment and offering structure-borne noise attenuation. In addition to commercial aircraft, they are well suited for many other aerospace, defense, and industrial applications.*

**A variety of Enidine Elastomeric Rod End styles are available to suit any application.**

- Effectively attenuates high frequency noise
- High strength provides static support
- Corrosion resistant
- Elastomeric bearing accommodates misalignment
- Lightweight construction
- Wide operating temperature range
- FAA/PMA approved



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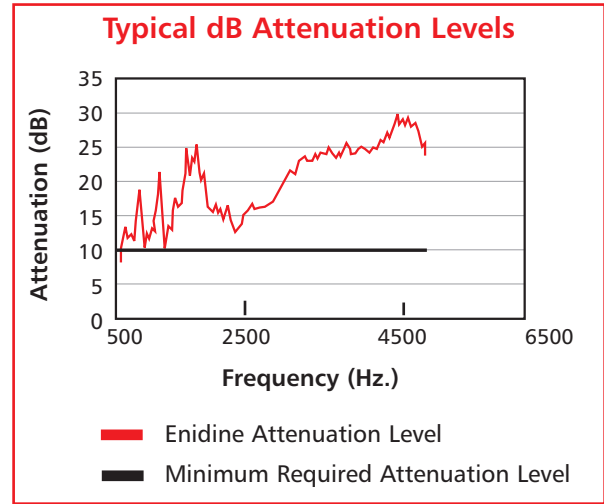
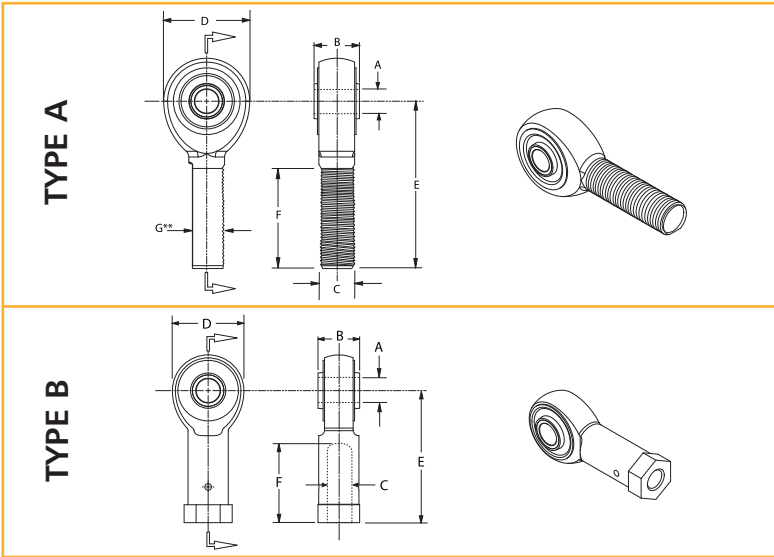
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# Elastomeric Rod Ends



ENIDINE P/N	A Dia. (± .002 in.)	B Length Max. (in.)	C Thread UNJF-3A	D Dia. (in.)	E Min. (in.)	F Perfect Thread Min (in.)	Nominal Spring Rate (lbs./in.)	Min. Radial Ultimate Load (lbs./in.)	Rod End Type	G** Location of Machined Flat (in.)
EI11352	0.250	0.399	¼ -28	0.75	1.21	0.62	7,000	2,500	A	—
EI11353	0.250	0.399	¼ -28L	0.75	1.21	0.62	7,000	2,500	A	—
EI11354	0.250	0.399	¼ -28	0.75	1.49	0.85	4,000	2,200	A	—
EI11355	0.250	0.399	¼ -28L	0.75	1.49	0.85	4,000	2,200	A	—
EI11356	0.250	0.437	¼ -28	0.80	1.21	0.62	17,000	2,400	A	—
EI11357	0.250	0.437	¼ -28L	0.80	1.21	0.62	17,000	2,400	A	—
EI11380	0.250	0.399	⅜ -24	0.75	1.29	0.62	7,000	2,500	A	—
EI11374	0.250	0.476	⅜ -24	0.90	1.74	1.05	4,000	5,600	A	—
EI11375	0.250	0.476	⅜ -24L	0.90	1.74	1.05	4,000	5,600	A	—
EI11376	0.250	0.437	⅜ -24	0.80	1.85	1.15	7,000	2,400	A	—
EI11377	0.250	0.437	⅜ -24L	0.80	1.84	1.15	7,000	2,400	A	—
EI11378	0.250	0.476	⅜ -24	0.90	2.01	1.30	7,000	3,600	A	—
EI11379	0.250	0.476	⅜ -24L	0.90	2.00	1.30	7,000	3,600	A	—
EI11382	0.312	0.476	½ -20	0.90	1.30	1.12	7,000	4,800	A	—
EI11395	0.250	0.437	¼ -28	0.80	1.49	0.85	7,000	2,400	A	—
EI11396	0.250	0.437	¼ -28L	0.80	1.49	0.85	7,000	2,400	A	—
EI11397	0.312	0.476	⅜ -24	0.90	2.14	1.30	4,000	4,800	A	—
EI11398	0.312	0.476	⅜ -24L	0.90	2.14	1.30	4,000	4,800	A	—
EI11399	0.250	0.437	⅜ -24	0.80	1.49	0.80	7,000	2,400	A	—
EI11401	0.250	0.437	⅜ -24L	0.80	1.49	0.80	7,000	2,400	A	—
EI11402	0.250	0.476	⅜ -24	0.90	1.49	0.80	7,000	3,600	A	—
EI11403	0.250	0.476	⅜ -24L	0.90	1.49	0.80	7,000	3,600	A	—
EI11476	0.250	0.437	¼ -28*	0.75	1.37	0.75	7,000	2,500	B	—
EI11477	0.250	0.476	⅜ -24L	0.90	1.74	1.05	4,000	5,600	A	0.338
EI11478	0.250	0.437	⅜ -24L	0.80	1.07	0.61	7,000	2,400	A	0.276

\* Thread is ¼-28 UNJF-3B \*\*Machined Flat applies only to models shown with "G" dimension in table.



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