



The Dead Stick Flyer

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President: Gary Gunter (410) 658-1170

VP: Chris Mounayer (732) 539-8731

Secretary: Ron Lazzeri (443) 425-9006

Treasurer: Steve Snyder (410) 638-2895

Safety Officer: Bob Walker (410) 456-0100

Member at Large: Dale Davis (410) 459-0399

Member at Large: Herman Reichart (410) 515-5736

Member at Large: Stephen Slotnick (908) 403-0273

Tech Corner:

Nord Lock Washers by Bob Bartell

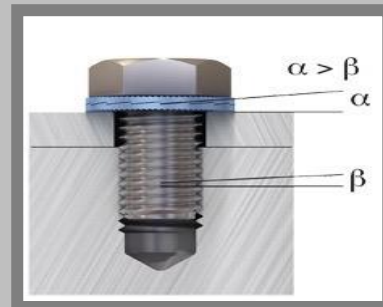
LOOSE BOLTS?

I have a DLE35RA gas engine that just won't keep it's muffler on. No matter what I've tried, the bolts always loosen up. Someone at the field said, "I wonder if Nord-Lock makes small washers".

(Thanks Herman!) I had never heard of Nord-Lock washers so I investigated them and, yes, they do make them as small as metric M3. Nord-lock is a 2 piece locking washer.

Ref: Copied the following from the marketing material

- Nord-lock washers are recognized for their ability to safely secure bolted joints exposed to severe vibration and dynamic loads.
- Nord-Lock secures bolted joints with tension instead of friction. The system is comprised of a pair of washers that has cams on one side and radial teeth on the opposite side.
- Since the cam angle ' α ' is greater than the thread pitch ' β ' a wedge effect is created by the cams, preventing the bolt from rotating loose."
- It's important to buy them according to the exact bolt size in order for them to work properly.



- Also, they must be installed against metal, not wood and without using a regular washer.
- Since installing them, I have not had a problem

Sources:

MDMetric.com

*Maryland Metrics in Owings Mills
(\$25 minimum order)*

Grainger.com

Fastenal.com

Microfasteners (Dynalock)