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PURCHASE!**

Nord-Lock® Standard Washers

NORD-LOCK® METRIC STANDARD WASHER DELTA PROTEKT / EN 1.7182 / HARDENED STEEL

Bianco Code	Part	Size	OD (mm)	ID (mm)	Thickness T (mm)
920487	WNHTDDM06	M06	10.8	6.5	1.8
920488	WNHTDDM08	M08	13.5	8.7	2.5
920489	WNHTDDM10	M10	16.6	10.7	2.5
920490	WNHTDDM12	M12	19.5	13.0	2.5
920491	WNHTDDM16	M16	25.4	17.0	3.4
920492	WNHTDDM20	M20	30.7	21.4	3.4
920493	WNHTDDM24	M24	39.0	25.3	3.4



NORD-LOCK® METRIC STANDARD WASHER DELTA PROTEKT / EN 1.4404 / STAINLESS STEEL

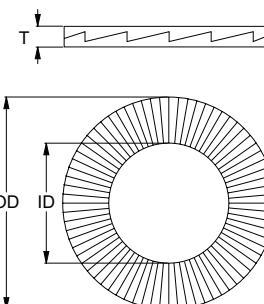
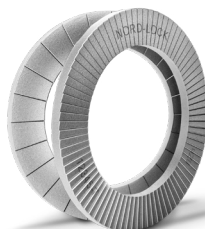
Bianco Code	Part	Size	OD (mm)	ID (mm)	Thickness T (mm)
920494	WN16DPM06	M06	10.8	6.5	1.8
920495	WN16DPM08	M08	13.5	8.7	2.0
920496	WN16DPM10	M10	16.6	10.7	2.0
920497	WN16DPM12	M12	19.5	13.0	2.0
920498	WN16DPM16	M16	25.4	17.0	3.0
920499	WN16DPM20	M20	30.7	21.4	3.0
920500	WN16DPM24	M24	39.0	25.3	3.2



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Wedge-locking technology

Nord-Lock® washers are pre-glued in pairs to facilitate first mounting.



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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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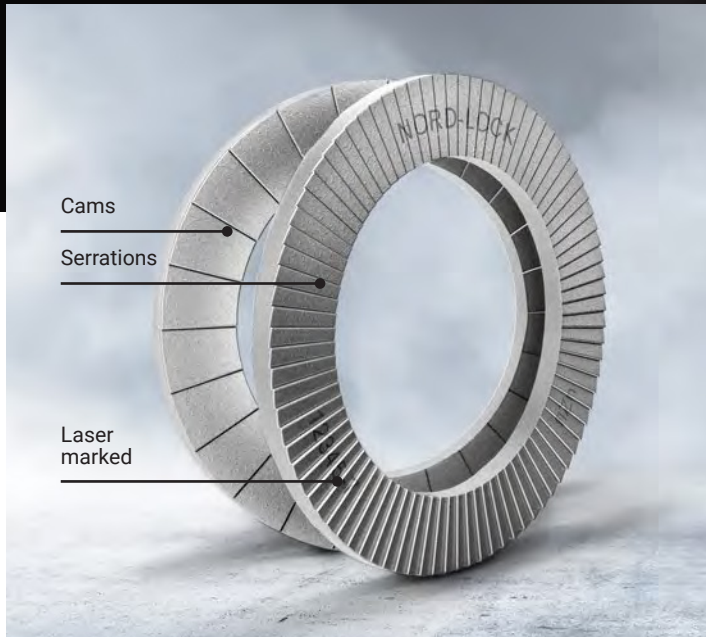
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NO MORE LOOSE BOLTS!

NORD-LOCK®



Wedge-locking technology



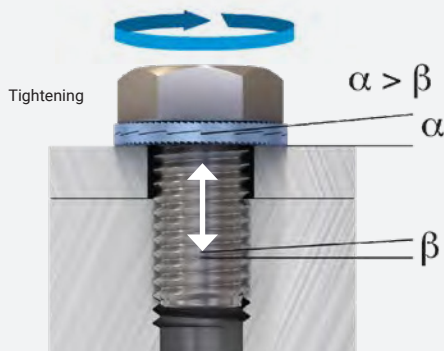
A pair of washers for maximum safety

Nord-Lock bolt securing solutions consist of a pair of washers with cams facing each other and serrations gripping the mating surfaces. They use cam-geometry to effectively prevent the bolt from vibrating loose.

Tension prevents bolts from rotating loose

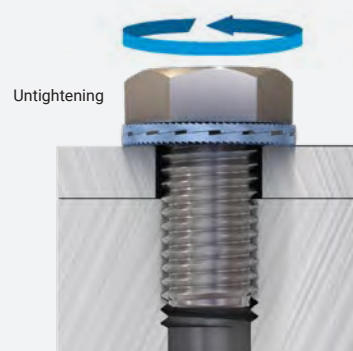
Think of the bolt as a spring. Turning the fastener during tightening stretches the bolt like a spring, creating the required clamp load to hold the parts together. Nord-Lock washers secure bolted joints by increasing this clamp load if the bolt tries to rotate loose.

How it works



When the fastener is tightened, the cams lock and the serrations on the outer faces of the washers grip into both the fastener and the clamped part, creating clear impression marks in both. Clamping load has been created by the bolt, keeping the assembly locked in place.

Because the cam angle ' α ' is greater than the thread pitch ' β ' a wedge-locking effect secures the fastener against rotational loosening, even under the most severe conditions.



When the fastener is untightened, sliding will occur between the two washers. The upper washer is locked to the nut or bolt head by the serrations. The lower washer does not rotate as its serrations are locked into the surface being clamped.

As the cams slide over each other, the clamping load from the bolt is first increased as the bolt stretches, before being released as the cams pass each other.

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