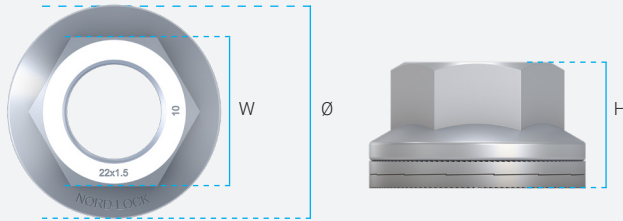


TECHNICAL SPECIFICATIONS

Surface coating	Basecoat Delta Protekt® KL100, Topcoat VH 302 GZ
Corrosion resistance	600 hours according to ISO 9227
Lubrication	Dry film lubricant/lubricating paste
Property class	Class 10



Thread	Key width W	Diameter Ø	Height H	Tightening torque	Clamp load
M16x1.5	24.0 mm	34.5 mm	23.0 mm	280 Nm (205 ftlb)	~ 100 kN (~22500 lb)
M18x1.5	27.0 mm	40.0 mm	24.0 mm	400 Nm (295 ftlb)	~ 130 kN (~29200 lb)
M20x1.5	30.0 mm	45.0 mm	26.0 mm	550 Nm (405 ftlb)	~ 160 kN (~36000 lb)
M22x1.5	32.0 mm	46.0 mm	27.0 mm	650 Nm (480 ftlb)	~ 180 kN (~40500 lb)
7/8"-11 BSF	32.0 mm	46.0 mm	27.0 mm	650 Nm (480 ftlb)	~ 170 kN (~38200 lb)
M24x1.5	36.0 mm	48.0 mm	33.0 mm	950 Nm (700 ftlb)	~ 240 kN (~54000 lb)

*BSF = British standard fine thread, normal class.

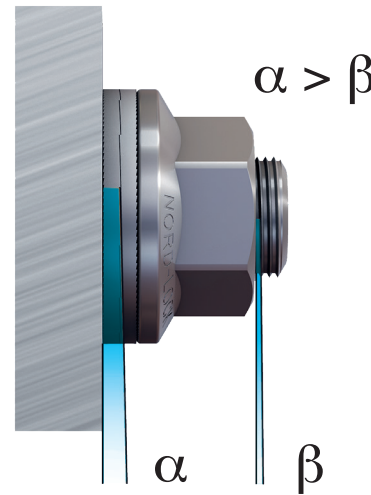
CERTIFICATES & APPROVALS

ISO 9001 AND ISO 14001



All Nord-Lock wheel nuts are certified by TÜV. To learn more about TÜV approval, please contact your Nord-Lock office.

THE PRINCIPLE



Each wheel nut is permanently attached to a pair of Nord-Lock washers. The washers have cam faces on one side and serrations on the other. When the wheel nut is tightened, the serrations on the lower washer are embedded into the mating surface.

As the cam angle "α" is greater than the thread pitch "β", a wedge-effect is created, allowing movement only across the cam faces. Any rotation of the wheel nut is blocked by the wedge effect of the cams.

In an independent comparative test, Nord-Lock wheel nuts proved their outstanding performance compared to conventional wheel nuts*.

*Laboratory test by IMA Germany. Comparison in Junker vibration test DIN 65151.

Nord-Lock Group
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NORD-LOCK
GROUP

NORD-LOCK WHEEL NUTS

SAFE WHEELS SAVE LIVES

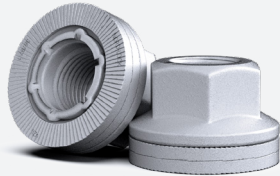


NORD-LOCK®

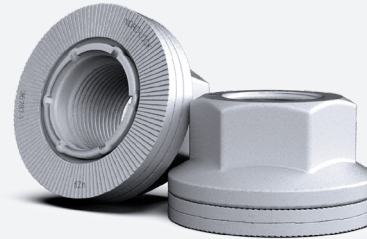
WHEREVER YOU DO BUSINESS

WE HELP YOU STAY SAFE

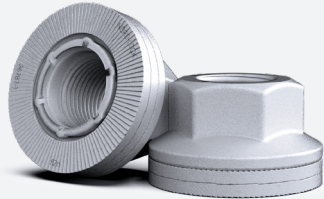
NLWN
M16



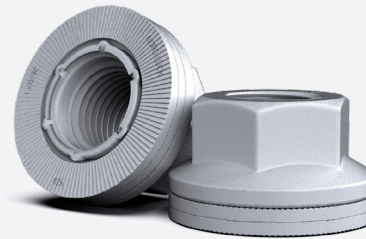
NLWN
M22



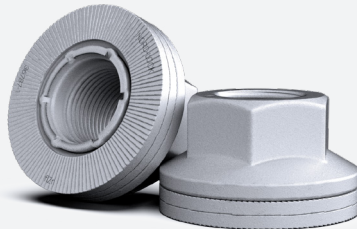
NLWN
M18



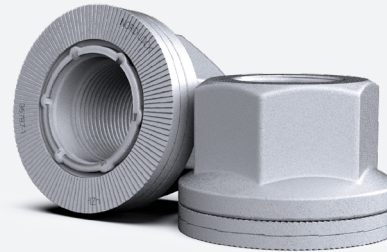
NLWN
7/8"-11BSF



NLWN
M20



NLWN
M24



NORD-LOCK WHEEL NUTS

The wheel nuts use Nord-Lock wedge-locking technology to secure wheels by maintaining a high clamp force, even under severe operating conditions. A tightened Nord-Lock wheel nut cannot loosen by itself.

Nord-Lock wheel nuts are used on heavy on-road vehicles (buses, trucks, trailers, etc.) and off-road vehicles (tractors, farming equipment, mining equipment, forestry machinery, military vehicles, etc.).

ADVANTAGES

- Prevents loosening caused by vibration and dynamic loads.
- Quick and easy to install and remove with standard tools.
- Improves driver productivity while reducing operating and service costs.
- Minimizes risk of accidents and injury.
- Suits flat faced steel rims and regular tools.
- Reusable and durable.
- Prelubricated.
- Predictable preload thanks to defined and uniform friction conditions of the washers' mating surfaces.

APPLICATIONS ON AND OFF ROAD

Transportation



Forestry



Agriculture



NORD-LOCK ORIGINAL WASHERS

Additionally, Nord-Lock original washers have been used for many years to secure critical vehicle applications exposed to extreme vibrations and dynamic loads.

