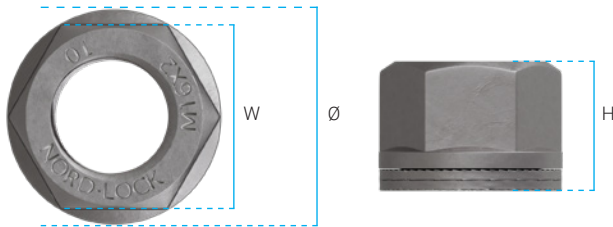


TECHNICAL SPECIFICATIONS

Surface coating	Zinc Nickel plating according to ISO 4042
Corrosion resistance	600 hours according to ISO 9227
Lubrication	Dry film lubricant
Property class	Class 10



Designation	Thread	Width across flats [W]	Outer diameter [Ø]	Height [H]
NLCN6	M6x1.0	10.0 mm	12.5 mm +0.6 -0.6	8.7 mm +0 -0.8
NLCN8	M8x1.25	13.0 mm	15.9 mm +0.6 -0.6	10.7 mm +0 -0.9
NLCN10	M10x1.5	15.0 mm	18.1 mm +0.6 -0.6	13.4 mm +0 -0.9
NLCN12	M12x1.75	18.0 mm	21.5 mm +0.6 -0.6	15.4 mm +0 -0.9
NLCN16	M16x2.0	24.0 mm	28.2 mm +0.6 -0.6	19.4 mm +0 -1.2

BENEFITS

- Faster assembly
- Reduced risk of incorrect assembly
- Lower risk of parts coming loose
- Easier disassembly and reassembly during maintenance
- Less time required to maintain production
- Cost savings through improved productivity

TESTED AND CERTIFIED

Nord-Lock combi nuts have been rigorously tested according to DIN 25201.

NORD-LOCK GROUP

Nord-Lock Group is a global leader in bolting and engineering solutions. Our innovative technologies and industry-leading expertise secures millions of critical applications across the globe.

Our brands are all at the forefront of their respective technologies: Nord-Lock® wedge-locking washers, Superbolt® mechanical tensioners, Boltight® hydraulic tensioners, Expander® System pivot pins, and Energy Bolting safety-critical fasteners.

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NORD-LOCK
GROUP

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NORD-LOCK® COMBI NUTS

FASTER AND SAFER ASSEMBLY



WANT TO LEARN MORE?

Ask your Nord-Lock representative for case stories and details on how combi nuts can secure your challenging joints. Find your local Nord-Lock representative and contact us today to arrange a visit: www.nord-lock.com/contact

NORD-LOCK®
PART OF THE NORD-LOCK GROUP

THE CHALLENGE

COMPLEX ASSEMBLY CONDITIONS AND DYNAMIC LOADS JEOPARDIZE JOINT SECURITY

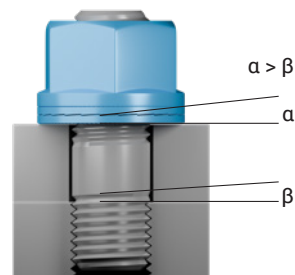
Bolted joints often rely on multiple components and correct installation to achieve and maintain the required preload. In demanding environments, this creates risks of loosening, assembly errors, and reduced reliability.

- Vibration and dynamic loads can cause conventional nuts to self-loosen over time due to preload loss
- Multiple loose components (nuts and washers) increase the risk of incorrect or incomplete assembly
- Limited accessibility or difficult working conditions can make proper installation challenging
- Human factors, such as inconsistent tightening or missing washers, compromise joint integrity
- Preload loss due to embedding, settlement, and thermal effects increases the risk of joint failure
- Time-consuming assembly and maintenance can impact productivity and increase operational costs

THE SOLUTION

HOW NORD-LOCK COMBI NUTS WORK

The combi nuts use Nord-Lock wedge-locking technology to prevent bolted joints from loosening by maintaining preload, even under severe operating conditions.



Each combi nut combines a nut with a pair of captive Nord-Lock wedge-locking washers, with cams on one side and serrations on the other. When tightened, the serrations embed into the mating surfaces. Because the cam angle (α) is greater than the thread pitch (β), a wedge effect is created. As a result, movement can occur only across the cam faces, maintaining preload and preventing loosening.

AVAILABLE SIZES

NLCN
M6x1.0



NLCN
M8x1.25



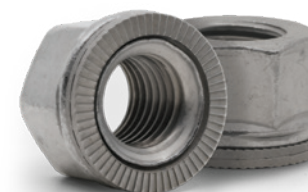
NLCN
M10x1.5



NLCN
M12x1.75



NLCN
M16x2.0



APPLICATIONS

SERIAL PRODUCTION



POWERGEN RENEWABLE



TRANSPORTATION



MACHINE BUILDING



POWERGEN NON-RENEWABLE



RAILWAY

