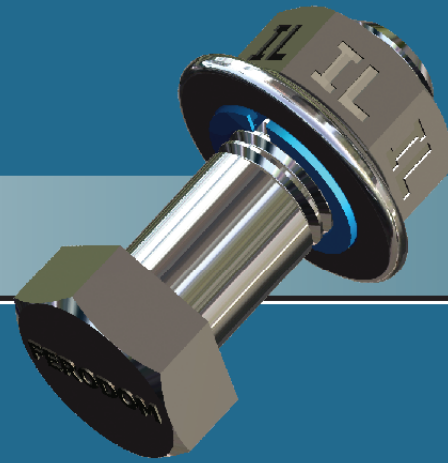


IstLock

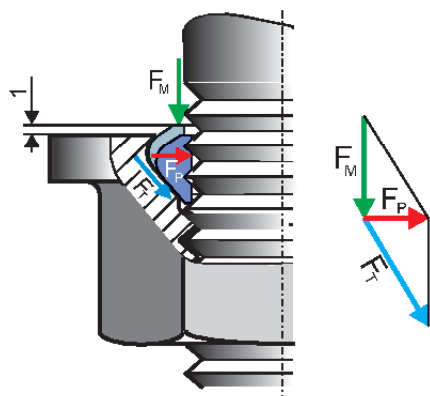
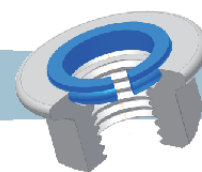


Effectiv Locking System of Bolted Joints
awarded at the Fastener Fair Stuttgart 2009



www.ferodom.com

IstLock - Assembly Force Used to Locking of Bolted Fasteners



Forces:

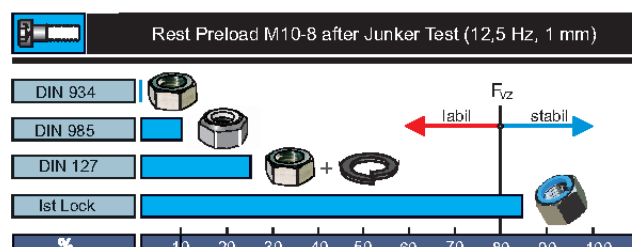
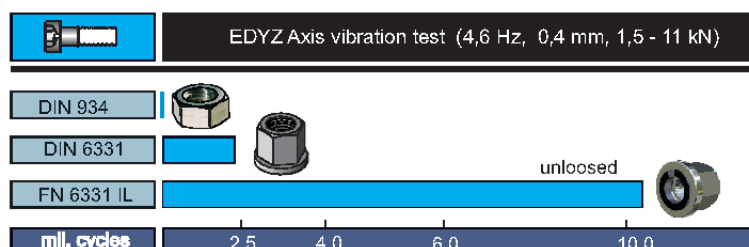
F_M - assembly force

F_P - radial force

F_T - friction force

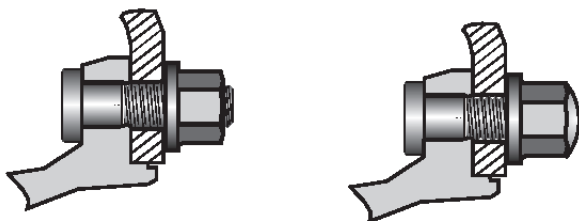
Properties

1. Reliable protection of bolted fasteners against decrease of preload
2. Free turn over ability assembly/disassembly
3. Simply disassembling
4. The independence of the whole metallic type of temperature
5. Repeatability
6. Metric or inch

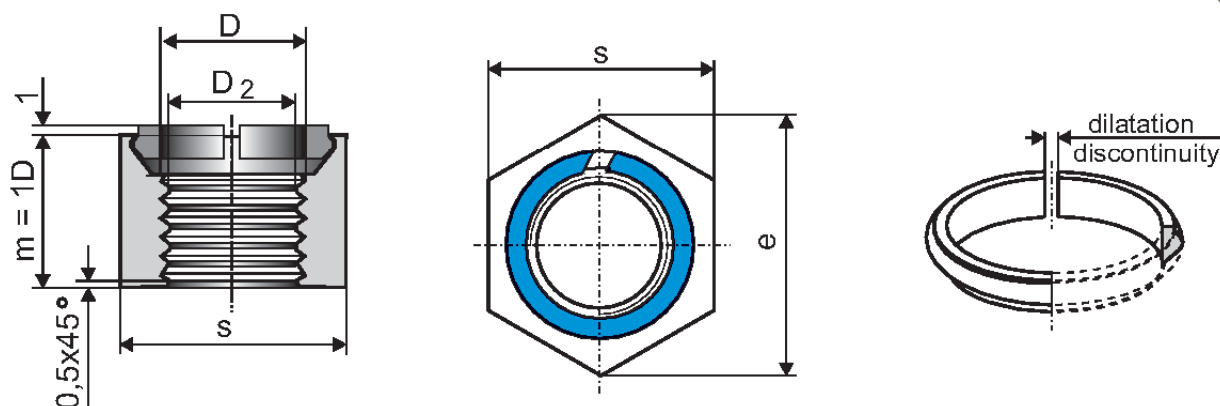
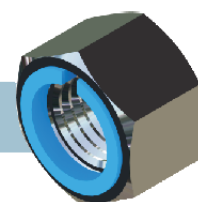


Utilisation

1. Dynamically stressed components with bolted fasteners, for example: machine tools, grinders, presses, rolling-mills, conveyers, cranes, railway carriages and locomotives, combustion engines, bolt-on fixing of electric motors, pick hammers, agricultural engineering, wind turbines, steel construction, refineries and petrochemical plants etc.
2. In cases where the utilisation of nuts DIN 985 (DIN 982) is insufficient or where remaining protection methods as serrated bolts, nuts, washers, counternuts, event. the chemical methods of protection, etc. don't satisfy from various reasons
3. Wheel mounting with flat rim



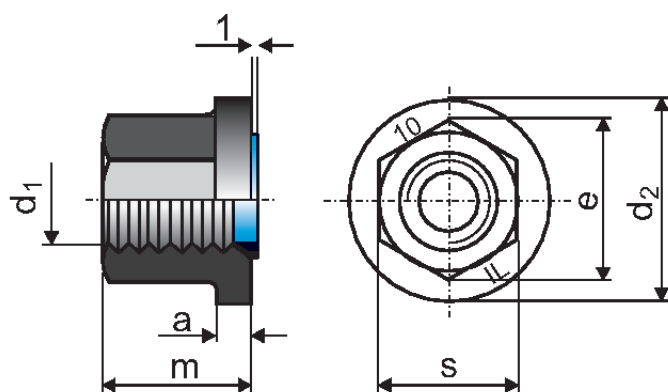
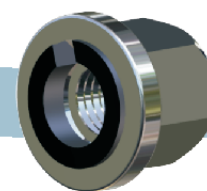
Hexagon IstLock Nuts FN 934IL (~DIN934)



	M10	M12	M16	M18	M20	M22	M24	M27	M30	M36	M42	M48
class 8	● ●	● ●	● ●	● ●	● ●	● ●	● ●	●	●	●	●	●
class 10			● ●	● ●	● ●	● ●	● ●	●	●	●	●	●
stanley m = 0,8D			●	●	●	●	●	●	●			

Material: - steel class 8 or 10/ring: steel ● or plastic ●, surface: Zn, black
- stanley steel A2, m = 0,8D/plastic ring

Flanged IstLock Nuts FN 6331IL (~DIN6331)



M	d ₂	a	m	s
M12	25	4	18	18/19
M16	31	5	24	24
M20	37	6	30	30
M24	45	6	36	36
M30	58	8	45	46
M36	68	10	54	55

Material: steel class 10 or 8/plastic ring, surface: black or stanley steel A2/plastic ring

Others Types of IstLock-Nuts (on application)



DIN 917, 986, 1587



DIN 6923, 6926, 6927



vonkajší Torx



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