

BÖLLHOFF

U-NUT®

Maximum security for your screw connection



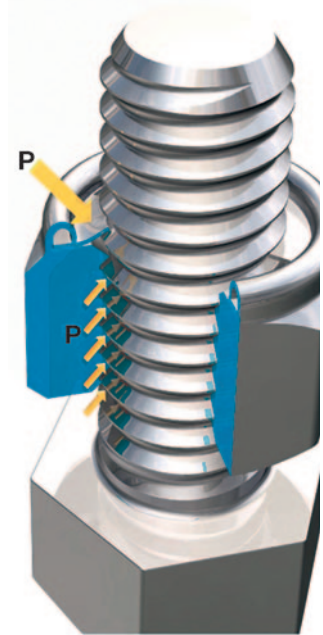
U-NUT® – Advantages and method/principle

Your advantages at a glance

- Extremely high security due to the clamping of the thread
- Easy to install
- Extremely good retightening properties
- Wide range of materials and variants
- Temperature and UV resistant compared to normal lock nuts with PA rings

Application examples

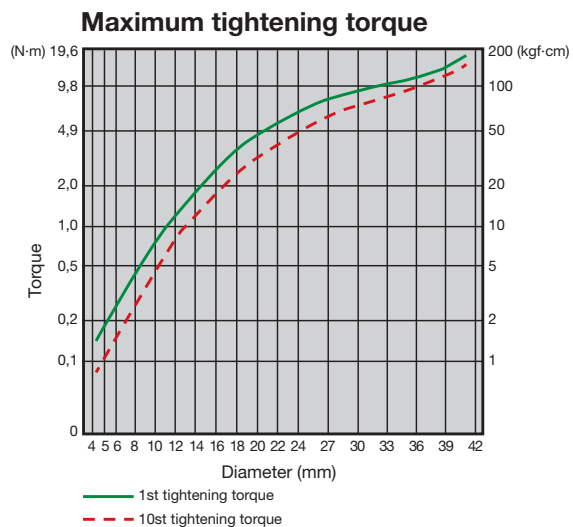
- Robotics
- Motors
- Pumps
- Lifts
- Chipping production



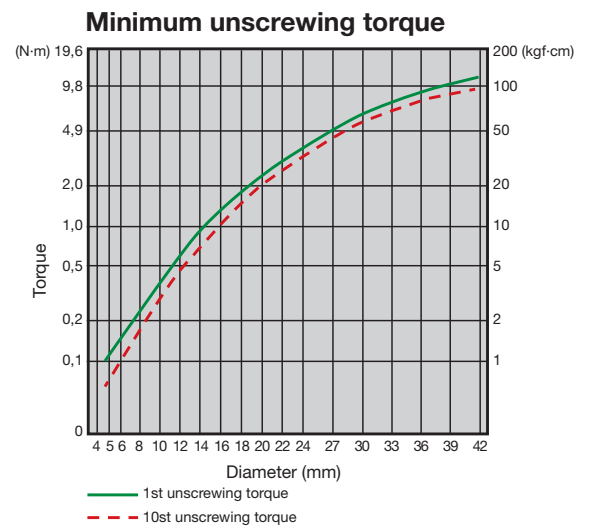
Clamping on the thread

Maximum security for your screw connection. The U-NUT® is used reliably wherever the screw connection is critical for operational and safety reasons, and wherever it is important to maintain pre-tensioning force and to protect the integrity of a connection.

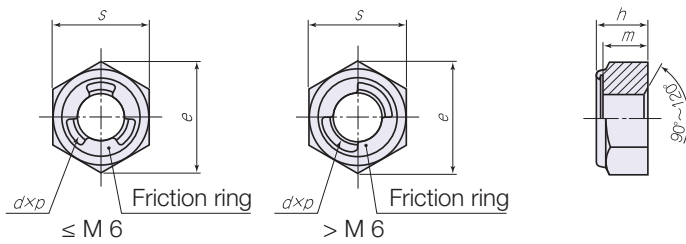
The integrated metal spring provides constant and controlled clamping of the U-NUT® on the thread and ensures that there is always a certain amount of pretensioning force in the connection, even with the highest loads. The geometry is precisely matched to the screw thread so that repeated tightening is possible consistently without any problems. This is shown in the diagram. The effectiveness of the U-NUT® is not dependent on a defined, high level of pretensioning force. Therefore the nut is well-suited to planned pre-tensioned connections as well as for soft components and assembly with simple tools. In any case, the U-NUT® will reliably secure your connection.



Comparison on the first and tenth tightening torque



Comparison on the first and tenth unscrewing torque



Dimension d	Thread pitch	Spanner width s	Tolerance	Over high h	Tolerance 2	Thread length m	Width across corners e	Standard	Strength class/ Material
M 4	0.7	7	0 -0.2	3.8	+/-0.3	3	8.1	53030	PC5/A2
M 5	0.8	8	0 -0.2	4.6	+/-0.3	3.9	9.2	53030	PC5/PC8/A2
M 6	1	10	0 -0.2	5.1	+/-0.3	4.2	11.5	53030	PC5/PC8/A2
M 8	1.25 1	13	0 -0.25	7.3	+/-0.4	6.1	15	53030	PC5/PC8/A2
M 10	1.5 1.25	17	0 -0.25	8.3	+/-0.4	7.1	19.6	53030	PC5/PC8/A2
M 12	1.75 1.5 1.25	19	0 -0.35	10.5	+/-0.4	9	21.9	53030	PC5/PC8/A2
M 14	2 1.5	22	0 -0.35	12.5	+/-0.5	11	25.4	53030	PC5/PC8/A2
M 16	2 1.5	24	0 -0.35	14.5	+/-0.5	13	27.7	53030	PC5/PC8/A2
M 18	2.5 1.5	27	0 -0.35	16	+/-0.5	14	31.2	53030	PC5/PC8/A2
M 20	2.5 1.5	30	0 -0.35	17.5	+/-0.5	15.4	34.6	53030	PC5/PC8/A2
M 22	2.5 1.5	32	0 -0.4	19.5	+/-0.6	17.2	37	53030	PC5/PC8/A2
M 24	3 2	36	0 -0.4	21.5	+/-0.6	18.8	41.6	53030	PC5/PC8/A2
M 27	3	41	0 -0.4	24	+/-0.6	21.2	47.3	53030	PC5/PC8/A2
M 30	3.5	46	-0.4	27	+/-0.8	24	53.1	53030	PC5/PC8/A2

Many other variants, for example as cap nuts, flange nuts and weld nuts are available with metric and imperial threads upon request.

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