



SEGNUT™

SAFER. FASTER. SMARTER.

TECHNICAL DATA SHEET

SEGNUT GRADE 5

RELEASE DATE: 30-10-2019

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This Technical Data Sheet (TDS) applies to the following part numbers:

Part Number	Batches	Description
N-063C-01-05B-00	FSL	5/8" Grade 5 Black
N-075C-03-05B-00	FSM	3/4" Grade 5 Black
N-088C-03-05B-00	FSN	7/8" Grade 5 Black
N-100C-03-05B-00	FSO	1" Grade 5 Black

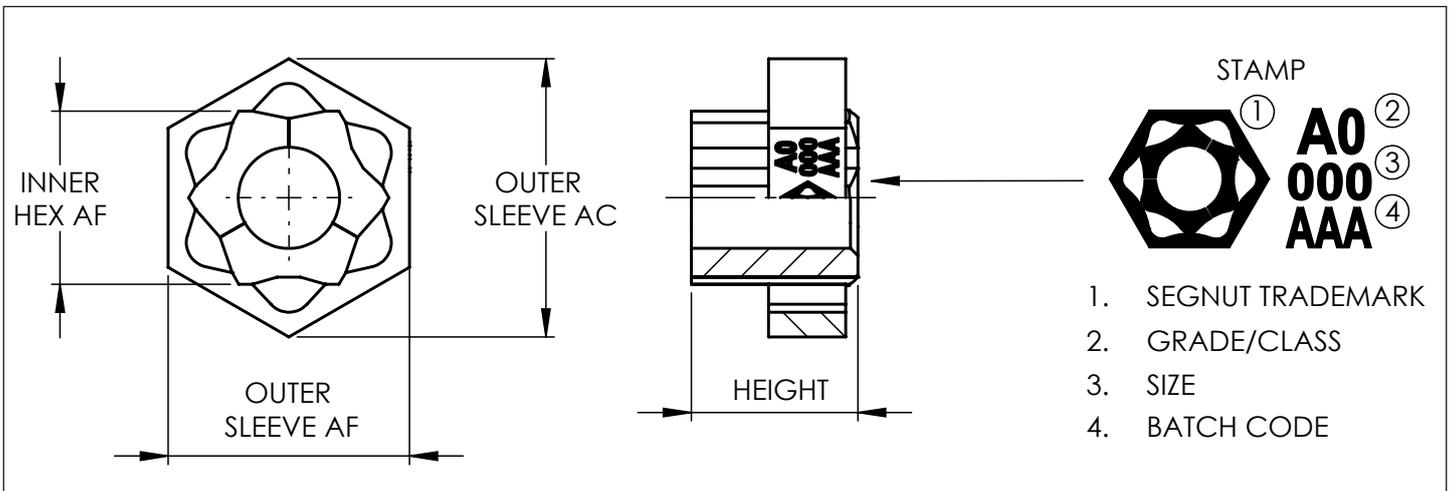
Segnuts are a female threaded fastener (nut) with an integrated, controlled release feature. This allows for fast and safe removal in severe applications, where standard nuts would usually seize or become difficult to remove.

FEATURES

- Fits on standard bolts.
- Full structural strength of standard (grade 5) fastener.
- Tightened via inner hex with approx. the same torque as standard nuts, using standard tools and methods.
- Released via outer sleeve with approx. 70% of torque used to tighten.
- Eliminates the need for gas axing or other dangerous nut removal methods.

IMPORTANT INFORMATION

- The shock of rattleguns may cause the sleeve to prematurely release during tightening. To prevent, tighten snug by hand tool (1/4 turn min) before using rattleguns.
- Always install with hardened washers.
- Ensure a sufficiently long bolt is used such that the bolt threads are visible past the nut.
- Segnut is not an Anti-Vibration nut (Locknut). Use with Nordlock/Safety Washer if required.



SIZE	PART NUMBER	THREAD PITCH (TPI)	HEIGHT (mm)	INNER HEX AF (mm)	OUTER SLEEVE AF (mm)	OUTER SLEEVE AC (mm)
5/8"	N-063C-01-05B-00	11 TPI	27	21	32	37.0
3/4"	N-075C-03-05B-00	10 TPI	34.5	30	40	46.2
7/8"	N-088C-03-05B-00	9 TPI	34.5	36	50	57.7
1"	N-100C-03-05B-00	8 TPI	43	41	55	63.5

MATERIAL	U 20452 Medium Carbon Steel Quenched & Tempered.	GB T699
COATING	Chemical Black Iron Oxide.	-
PROOF LOAD STRESS	800 MPa (Grade 5)	SAE J995
THREAD PROFILE	UNC	ASME B1.1
THREAD TOLERANCE	2B	ASME B1.1
HARDNESS	24-30 Rockwell C	ASTM F606/F606M
TRACEABILITY	Batch code traces tests and processes back to the original nut material.	-
QUALITY	Factory production control & random sample testing.	ISO 3269

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