

Stainless Steel Nyloc Hexagon Nuts DIN 985



DIN 985 specifies low profile (Type T) prevailing torque hexagon nuts incorporating a non metallic nylon insert. Commonly referred to as Nyloc nuts, they are designed to resist loosening under vibration.

Applicable Standard

- **DIN 985** – Low profile prevailing torque hexagon nuts
- **ISO 10511** – Superseding international standard (generally interchangeable)

Material

- **A2 Stainless Steel (304):** A2/50 A2/70
- **A4 Stainless Steel (316):** A4/50 A4/70, A4/80
- **Insert:** Nylon (polyamide)

Sizes

M5–M48.

Specific Features

- Nylon insert applies controlled friction to the mating thread, helping to resist loosening caused by vibration and dynamic loading
- General fastening
- Suitable for tightening using conventional spanners or sockets

Performance

- Suitable for external, corrosive, and marine environments
- Compatible with stainless steel threaded rod systems

Typical Applications

- Vibration prone assemblies
- Mechanical and plant equipment
- Structural and secondary steel fixings
- Threaded rod and studding connections
- General construction and engineering use where self locking is required

Installation Notes

- Suitable for general and corrosive environments depending on material grade
- Generally considered single use
- Nylon insert unsuitable for elevated temperatures
- Anti galling measures recommended for stainless steel assemblies

Dimensions & Design

Full height metric nuts.

DIN 985 Metric Nyloc Nut Dimensions				
Nominal Size	Width Across Flats (s)		Thickness (h)	
	Min.	Max.	Min.	Max.
M5	7.78	8.0	4.70	5.00
M6	9.78	10.0	5.70	6.00
M7	10.73	11.0	7.14	7.50
M8	12.73	13.0	7.64	8.00
M10	16.73	17.0	9.64	10.00
M12	18.67	19.0	11.57	12.00
M14	21.67	22.0	13.30	14.00
M16	23.67	24.0	15.30	16.00
M18	26.16	27.0	17.66	18.00
M20	29.16	30.0	18.70	20.00
M22	31.00	32.0	20.70	22.00
M24	35.00	36.0	22.70	24.00
M27	40.00	41.0	25.70	27.00
M30	45.00	46.0	28.70	30.00
M33	49.00	50.0	31.40	33.00
M36	53.80	55.0	34.40	36.00
M39	58.80	60.0	37.40	39.00
M42	63.80	65.0	40.40	42.00
M45	68.10	70.0	43.40	45.00
M48	73.10	75.0	46.40	48.00

