

Stainless Steel Thin Hexagon Nuts (Jam Nuts)

DIN 439



DIN 439 specifies metric thin hexagon nuts, commonly referred to as half nuts or jam nuts. These nuts are designed for applications with limited clearance or for use in double nut locking arrangements. Although largely superseded by ISO standards, DIN 439 remains widely used and readily available in stainless steel.

Applicable Standard

- **DIN 439 1** – Unchamfered thin hexagon nuts (equivalent to ISO 4036)
- **DIN 439 2** – Chamfered thin hexagon nuts (interchangeable with ISO 4035)
- Fine pitch variants covered by ISO 8675

Material

- **A2 Stainless Steel (304):** A2/70
- **A4 Stainless Steel (316):** A4/70, A4/80

Sizes

M5–M48.

Specific Features

- Reduced height metric nuts
- 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

- Locking arrangements using double nut configurations
- Adjustment and setting applications on threaded bar
- Limited clearance assemblies
- Structural tie bar and façade support systems (as locking nuts)
- General mechanical and construction fixings

Installation Notes

- Tightened using standard spanners or sockets
- Full thread engagement recommended
- Anti galling measures advised for stainless steel assemblies

Dimensions & Design

- Reduced height hexagon profile, typically around half the thickness of standard full nuts
- Designed for use where thread engagement or installation space is restricted

Size (D)	S (mm)	E (mm)	M (mm)	Weight per 1000 pcs (Kg)
M5	8	8.87	2.7	0.83
M6	10	11.05	3.2	1.6
M8	13	14.38	4	3.2
M10	17	18.9	5	7.2
M12	19	21.1	6	10.4
M16	24	26.75	8	20.5
M20	30	33.53	10	0.2
M24	36	39.98	12	69.5
M30	46	51.28	15	139
M36	55	61.31	18	244
M42	65	72.61	21	403
M48	75	83.91	24	617

