

MHT Series

Low scatter locking torque, self locking nut

A conical shaped nut, where the diameter of the upper part of the nut is slightly reduced. Six vertical slots will open gradually whilst the nut is screwed onto the bolt. The elasticity provided by the particular shape of the nut will ensure the required locking torque.

Benefits

- **Temperature Resistance:** up to 120°C.
- **Design:** Nut design permits a less aggressive contact during and after installation; reducing stress level inside the bolt and nut
- **Self locking:** radial deformation of the slot upper part means the nut is self locking
- **Reusability:** can be fastened and unfastened more than 5 times without compromising self locking torque performance (ISO2320)
- **Anti-Galling:** Consistent prevailing torque that enables tension to be achieved at installation without galling
- **Corrosion Resistance:** The standard product is Zinc Nickel plated and achieved a minimum of 720 hours during the salt spray test

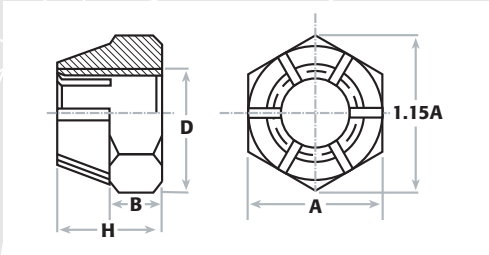


Popular Applications:	Pumps, engines, braking systems
Diameters:	M5 - M20 - please contact us for other diameters
Materials:	Steel Class 8
Standard Coating:	ZnNi - Zinc Nickel & top coat

For special applications please contact
Howmet Fastening Systems.



Self-locking effect obtained by RADIAL deformation of the upper part of the thread



All dimensions are in mm unless stated.

Code	Thread ISO M	A tolerance h13	B tolerance h14	H tolerance h14
MHT80-105	M5 X 0.80	8	3.1	6.5
MHT80-106	M6 X 1.00	10	4.4	8.4
MHT80-108	M8 X 1.25	13	4.6	9.2
MHT80-108 X100	M8 X 1.00	13	4.6	9.2
MHT80-110	M10 X 1.50	17	5.9	12
MHT80-110 X100	M10 X 1.00	17	5.9	12
MHT80-112	M12 X 1.75	19	7.7	15.6
MHT80-112 X150	M12 X 1.50	19	7.7	15.6
MHT80-114	M14 X 2.00	22	8.5	17.2
MHT80-114 X150	M14 X 1.50	22	8.5	17.2
MHT80-116	M16 X 2.00	24	9.5	19.2
MHT80-116 X150	M16 X 1.50	24	9.5	19.2
MHT80-118	M18 X 2.50	27	10.4	21
MHT80-118 X 150	M18 X 1.50	27	10.4	21
MHT80-120	M20 X 2.50	30	11.5	22.4
MHT80-120 X 150	M20 X 2.50	30	11.5	22.4

Material: Steel
Protection: Zinc Nickel
Standards: Threads conform to ISO 68-1
Tolerance conform to ISO965-2 (class 6H)

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BSI Registered
FM 500602 ISO 9001:2000
TS 507118-000 ISO/TS 16949:2002
FM 500661 EN 9100:2003
FM 50061 AS 9100 Rev. B
EMS 500663 ISO 14001:2004