Hi Sec

Reinforced height-adjustment system with an oversized central nut, designed for propulsion engines and installations subjected to high thrust loads.



The **AMC-MECANOCAUCHO® Hi Sec height-adjustment system** is designed for applications requiring **precise engine alignment** together with the ability to withstand **high thrust loads and dynamic forces**.

Its reinforced construction and **oversized central nut** make it particularly suitable for **marine propulsion engines**, where the mounting system must maintain accurate positioning whilst transmitting the forces generated by the propulsion system.

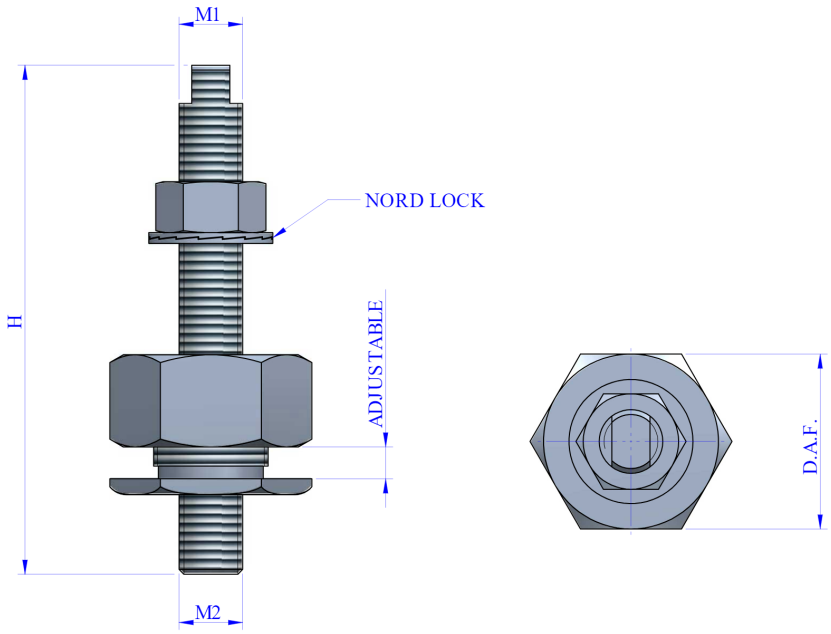
The Hi Sec system is **zinc-plated and chromated in accordance with DIN 50961 / ISO 2081**, providing effective protection against corrosion and making it suitable for demanding marine and industrial environments.

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Drawings

HI SEC



Type	Code	M1	M2	Adjustable(mm)	H(mm)	Machine Head	D.A.F.(mm)	Weight(gr)
HI SEC	708077	M16	M12	+ 5	110	Y	46	357
	708007	M16	M16	+ 5	110	Y	46	490
	708094	M20	M20	+ 5	130	N	46	775
	708079	M20	M16	+ 10	150	Y	55	1095
	708029	M20	M20	+ 10	160	Y	55	1011
	708005	M20	M20	+ 10	160	N	55	1100
	708011	M24	M24	+ 10	200	N	120	3500

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Technical characteristics

DNV rules for ships/ High Speed light craft, Issue Jan 2016 Point 4 Chapter 3 Section1 F202, establishes that standard height adjusters are not acceptable for leveling, due to cyclic bending moments that the studs and bolts are subjected to. This is the reason why leveling of mounts using shims beneath the mounts is the only recommended method for leveling.

AMC-MECANOCAUCHO shares also this method and that is the reason why AMC-MECANOCAUCHO® **Shims** have been developed. In order to achieve a fine leveling **HI-SEC height adjusters** allow a final precise adjusting with security.

Advantages

Easy Installation

This mount requires minimal structural modifications, making installation quick and straightforward.

High robustness in dynamic applications for improved durability

These mounts offer enhanced robustness and are designed to withstand extreme load peaks. They are especially recommended where good durability is required in demanding applications.

Mount offering high stability

Suspensions built with this mount barely move, thanks to a geometry designed to control the movement of the suspended element.

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