Vargal® - self-locking nut

Self-locking nut with an external stainless spring that compresses the collar radially.

Family

Vargal® - self-locking nut

Manufacturer

Gally®



Variants and dimensional data

Dimensions in mm. Standard and low versions have different heights. M12 rows with 1.25 pitch are separate. Complete part numbers depend on material, finish and prevailing torque.

Thread d	Coarse pitch	Fine pitch	Across flats s	h max.	m min.
M5	0.8	-	8	6.3	3.9
M6	1	0.75	10	8.2	4.4
M8	1.25	1	13	10.8	6.6
M10	1.5	1.25	17	12.6	7.9
M12	1.75	1.5	19	16	10.4
M12	-	1.25	19	16	10.4
M14	2	1.5	22	18	11.8
M16	2	1.5	24	20.6	13.3
M18	2.5	1.5	27	22.5	14.3
M20	2.5	1.5	30	25.5	16.5
M22	2.5	1.5	32	29.8	19.5
M24	3	2	36	29.9	20
M27	3	2	41	33.7	23.3
M30	3.5	2	46	37	26.4
M33	3.5	2	50	40.5	28.5
M36	4	3	55	44.2	31.2

https://www.dueemmesidol.it/en/products/standard-fasteners/nuts/gally-vargal/

Thread d	Coarse pitch	Fine pitch	Across flats s	h max.	m min.
M6	1	0.75	10	6.3	2.5
M8	1.25	1	13	8.1	3.9
M10	1.5	1.25	17	9.6	4.9
M12	1.75	1.5	19	11.4	5.8
M12	-	1.25	19	11.4	5.8
M14	2	1.5	22	13	6.8
M16	2	1.5	24	14.6	7.3
M18	2.5	1.5	27	16.5	8.3
M20	2.5	1.5	30	18.1	9.1
M22	2.5	1.5	32	20.1	10.6
M24	3	2	36	20.7	10.7
M27	3	2	41	22.2	11.8
M30	3.5	2	46	24.7	14.1
M33	3.5	2	50	27.2	15.3
M36	4	3	55	30	17.1

Table dimensions refer to the stated execution. DIN/UNI, polymer and special variants require verification of their own dimensions; they do not automatically inherit reference geometry, weight or performance.

Materials, classes, finishes and treatments

Resistance to vibration and dynamic loading.

Reusable; limited friction scatter from the locking system.

Locking element	External stainless steel spring
Temperature: Vargal® 10	-50 °C to +300 °C; check actual operating conditions.
Documented options	Cr3 clear zinc plating, Geomet 500B, or stainless nut and spring.

Size, pitch and material, class and finish combination must be confirmed against the requested original part number. No stock availability is implied.

Application selection

For industrial machinery, maintenance and electromechanical assemblies, assess vibration, temperature, mating bolt and tightening procedure. Suitability is determined for the specific joint.

Executions are distinguished by reference, material, class and finish. DIN, ISO and UNI references do not imply dimensional equivalence or availability of every size in each material. Supply and batch documents require quotation confirmation.

Execution reference	Material	Class / hardness	Documented finishes
UNI 9319	Steel	To be specified	Zinc plated

“To be specified” is a requirement not established by this selection; it does not imply class 70/80, HV hardness or an automatic finish. Steel property classes do not apply to nylon/polyamide; PA6 and PA66 are distinguished only where stated. For nuts with non-metallic inserts, the material shown is the body material.

Manufacturer and documentation

This document describes an original Gally® family. Its performance is not attributed to equivalent products from other manufacturers.

View official Gally® documentation

Dueemme technical summary, not a manufacturer certificate.