Hex nut with captive conical spring washer

Available from stock

Nut and conical washer supplied together as a single component to handle and assemble. Available from stock in zinc-plated class 8 steel; dedicated stainless steel production can be assessed on request.

Stock range

M3 · M4 · M5 · M6 · M8 · M10 · M12

Material / nut class

Steel · 8

Finish

Zinc plated

Special version

Stainless on request / MOQ



One component to handle and assemble

The hex nut is supplied with a conical spring washer retained beneath its body and free to rotate relative to the nut. Both elements remain together during handling and assembly.

Washer already present

Reduces the risk of omitting the washer.

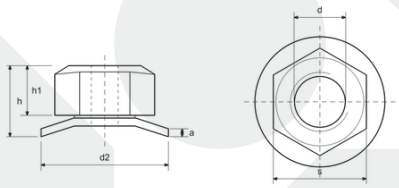
Simpler assembly

Nut and washer arrive at the workstation already assembled.

Conical spring element

The washer deforms elastically under load; its behaviour must be verified in the actual joint.

Technical drawing



d
thread
P
pitch
s
width across flats
h1
nut height
d2
washer outside diameter
h
overall height
a
washer thickness.

Variants and dimensional data

Stock range: M3, M4, M5, M6, M8, M10 and M12. Other sizes can be assessed on request.

Dimensions in mm. Identification drawing, not a manufacturing drawing.

M	Pitch P	s	h1 max.	d2 max.	h max.	a
3	0.5	5.5	2.4	8	3.8	0.4-0.6
4	0.7	7	3.2	10	4.2	0.45-0.65
5	0.8	8	4	12	5.3	0.7-0.9
6	1	10	5	14	6.6	0.9-1.1
8	1.25	13	6.5	18	8.8	1.25-1.45
10	1.5	17	8	22	10.7	1.4-1.7
12	1.75	19	10	25.5	13.8	2.1-2.4

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

Material	Nut class	Finish	Supply
Steel	8	Zinc plated	Available from stock
Stainless steel	To be defined	To be defined	Special production / MOQ

Class 8 refers to the nut. Washer properties and joint performance must be specified separately. No universal anti-loosening or vibration-resistance performance is assigned.

The standard configuration is zinc plated. Specify any coating thickness, passivation or corrosion-resistance requirements in your enquiry.

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.

For this special execution, body material, any insert, class and treatment must be specified separately. Variants of geometrically similar products are not assigned automatically.

Does your project require stainless steel?

For industrial projects and quantities, we assess dedicated stainless steel nut-washer production to suit your dimensions and application requirements.

Stainless steel: dedicated production subject to technical feasibility and minimum order quantity. Alloy, property class and finish are defined for the specific enquiry.

For serial assembly

A solution to assess for machinery, light fabrication, packaging equipment and electromechanical assemblies requiring preassembled components and a conical washer. Check the application against loads, bearing surface, environment and tightening procedure.

Dueemme technical data sheet

Product image, drawing and dimensional range in a downloadable document.