Hexagon coupling nut, height 3d

A hexagonal sleeve with a through internal thread for connecting two aligned threaded components. Its extended body accepts engagement from both ends; specify the material, property class and engagement depth for the joint.

Dimensional range

M6-M36

Thread

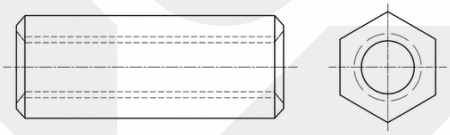
Metric · coarse pitch

Configuration

Hexagonal sleeve · m = 3d



Technical drawing



d

nominal internal thread diameter

P

pitch

s

width across flats

m

overall sleeve length

Variants and dimensional data

Commercial reference geometry M6-M36, height m = 3d. Submit your specification for different heights, other diameters or special threads.

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

https://www.dueemmesidol.it/en/products/standard-fasteners/nuts/din-6334/

M	Pitch P	s	m
6	1	10	18
8	1.25	13	24
10	1.5	17	30
12	1.75	19	36
14	2	22	42
16	2	24	48
18	2.5	27	54
20	2.5	30	60
22	2.5	32	66
24	3	36	72
27	3	41	81
30	3.5	46	90
33	3.5	50	99
36	4	55	108

The 3d height is not a load rating. Define effective engagement for each component so that neither occupies the length required by the other. Confirm property class, thread tolerance, alignment and finish before use.

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

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
DIN 6334	Stainless A2	To be specified	To be specified
DIN 6334	Steel	10	Plain; Zinc plated
DIN 6334	Stainless A4	To be specified	To be specified
sim. DIN 6334	Stainless A5 · 1.4571	To be specified	To be specified
sim. DIN 6334	Duplex · 1.4462	To be specified	To be specified
sim. DIN 6334	Stainless HCR · 1.4529	To be specified	To be specified

“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.

Documentation

Document	Status
Declaration of conformity	Subject to order agreement
Material certificate	Subject to order agreement
EN 10204 2.2 test report	Subject to order agreement
EN 10204 3.1 inspection certificate	Subject to order agreement
Dimensional inspection report	Subject to order agreement
Coating report	Subject to order agreement
Other documentation	Subject to order agreement

Batch documents are not automatically included: specify your requirements in the RFQ.

ISO, DIN and UNI: key differences

DIN 6334

DIN 6334 identifies the commercial product family. Nominal dimensions are provided for selection; agree tolerances and supply requirements. No ISO/UNI equivalence is declared.