

High hexagon nut 1.5d with trapezoidal thread

A hexagonal body 1.5 times the nominal diameter in height, with a single-start trapezoidal thread. Mate with a screw having the same Tr designation.

Dimensional range

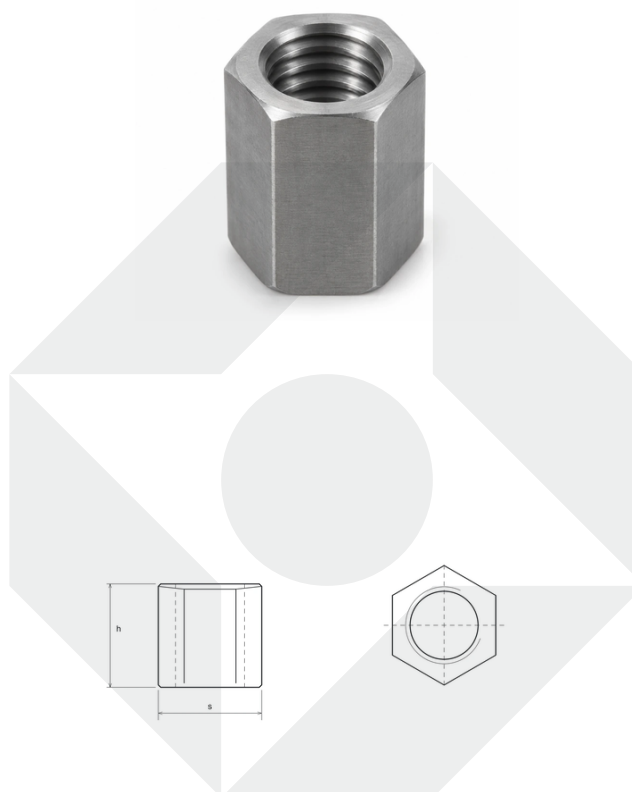
Tr 12 × 3-Tr 70 × 10

Thread

Trapezoidal Tr · single start · right hand

Configuration

High hexagon nut 1.5d with trapezoidal thread



Technical drawing

Tr

trapezoidal thread

d

nominal diameter

P

pitch

h

height

s

wrench size.

Variants and dimensional data

The table identifies the reference technical selection. The supply configuration is reviewed against the enquiry.

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

d nominal Tr	Pitch P	h height	s wrench size
12	3	18.0	19
14	4	21.0	22
16	4	24.0	27
18	4	27.0	27
20	4	30.0	30
24	5	36.0	36
28	5	42.0	46
30	6	45.0	46
32	6	48.0	46
36	6	54.0	55
40	7	60.0	65
44	7	66.0	65
48	8	72.0	75
50	8	75.0	75
52	8	78.0	75
60	9	90.0	90
70	10	105.0	90

Tr threads are not interchangeable with M metric threads. Specify hand, clearance, lubrication and application. The documented steel selection is for manual adjustment or retention: do not automatically extend it to continuous-motion drives. Steel-on-steel pairing requires assessment of galling risk.

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

Other materials, property classes and finishes available on request.

State the required material, property class and finish in your enquiry. The configuration is defined and confirmed in the quotation.

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.

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 103 · Tr thread

DIN 103 identifies the trapezoidal thread; the outer form and table dimensions belong to the stated technical selection. Tr 10 × 3 is excluded because the source flags its pitch as outside the DIN 103 series.