UDC 621.889.2-034.14

September 1975

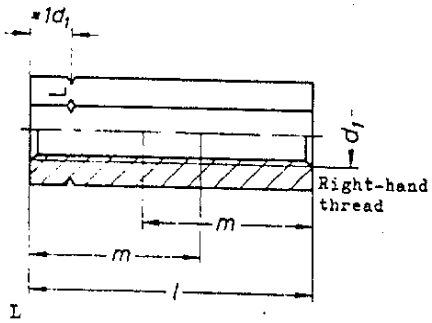
Turnbuckle Nuts
Made from Hexagon Bar

DIN 1479

Spannschloßmuttern aus Sechskantstahl

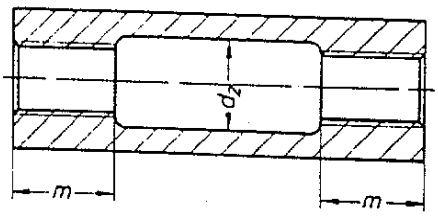
Dimensions in mm

up to M 16 with overlapping thread



Left-hand thread marked optionally by L or by a groove cut in the corners of the hexagon.

from M 20 with recess



other dimensions and details as in left-hand illustration

Designation of a turnbuckle nut (SP) with right and left-hand thread d_1 = M 12:

Turnbuckle nut SP M 12 DIN 1479

d_1		M 6	M 8	M 10	M 12	M 16	M 20	M 24	M 30
d_2		-	-	-	-	-	21	26	32
l		30	35	45	55	75	95	115	125
m		22,5	25	33	40	55	24	29	36
Hexagon	Width over flats	10	13	17	19	24	30	36	46
	Corner dimension min.	11,05	14,38	18,90	21,10	26,75	33,53	39,98	51,28
Adjustability ≈		15	15	21	25	35	47	57	53

Technical conditions of delivery according to DIN 267

Material: Steel of at least 330 N/mm^2 (≈34 kp/mm^2) tensile strength
Steel of higher strengths or specified materials by agreement

Type: m according to DIN 267 Part 2
If surface protection is required, the designation is to be supplemented according to DIN 267 Part 9.

Explanations on page 2

Explanations

As compared with DIN 1479 Part 1, Issue of April 1942x, the present Standard contains the following amendments and additions:

a) The title of the Standard has been changed from "Turnbuckles" to "Turnbuckle nuts" because turnbuckle nuts according to this Standard are delivered with welding ends as turnbuckles in exceptional cases only. An example of the designation of a complete turnbuckle has accordingly not been given, and the reference to welding ends according to DIN 1480 has been omitted. If welding ends are required, this must be agreed in each individual case.

b) The sizes M 14 and M 18 have been omitted.

c) Provision is no longer made for turning down the hexagons at both ends.

d) Marking with L or, optionally, by a groove cut in the corners of the hexagon, is stipulated for the end with a left-hand thread.

e) The values for the thread length m have been partly altered.

f) The check holes originally envisaged for inspecting the depth of engagement of the connecting parts have not been included because there was no confirmation of their technical necessity; economic considerations also weighed against such stipulations. However, it is strongly recommended that the necessary care be exercised when fitting the turnbuckles.

g) The values for adjustability have been corrected. They now correspond to ≈m + m - L (up to M 16) and L - 2 m (from M 20).

h) Details of materials have been specified more closely.

j) Permissible loads for turnbuckle nuts have not been included because they are largely dependent on the connecting parts. Where welding ends according to DIN 1480 are used, the maximum loads (112 N/mm^2 in terms of the cross-sectional area of the thread) specified therefor are recommended for guidance. The actual load capacities of the turnbuckles must, if necessary, also be determined by calculation for each individual case by reference to the stressed parts.

k) The designation of turnbuckle nuts has been amended and brought into line with DIN 1478 and DIN 1480.