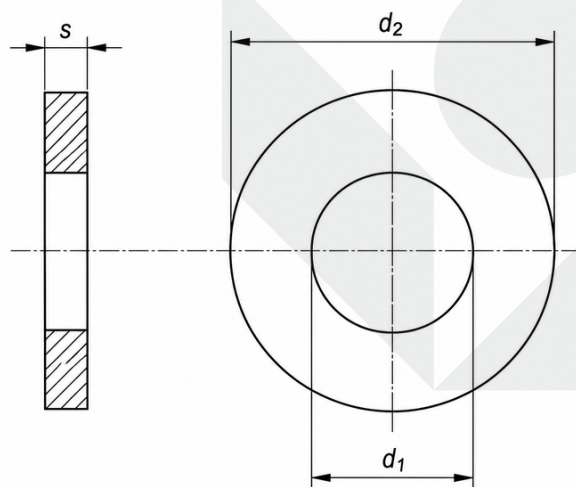


DIN 125 A

Commercial plain washer · 100 HV

A 100 HV steel plain washer without chamfer for use under a bolt head or nut. Select the size and finish in the commercial DIN 125 A series; ISO 7089 versions with 200/300 HV hardness have a separate data sheet.

Tabulated commercial series M2–M60. Nominal M identifies the bolt; bore, outside diameter and thickness are separate dimensions. Other dimensions on request.



d1: bore diameter · d2: outside diameter · s: thickness (also designated h in technical references)

Identification drawing, not a manufacturing drawing.

Dimensional range

Dimensions in millimetres.

M	d1	d2	s
2	2.2	5	0.3
2.5	2.7	6	0.5
3	3.2	7	0.5
4	4.3	9	0.8
5	5.3	10	1
6	6.4	12	1.6
8	8.4	16	1.6
10	10.5	20	2
12	13	24	2.5
14	15	28	2.5
16	17	30	3
18	19	34	3
20	21	37	3
22	23	39	3
24	25	44	4
27	28	50	4
30	31	56	4
33	34	60	5
36	37	66	5
39	40	72	6
42	43	78	7
45	46	85	7
48	50	92	8
52	54	98	8
56	58	105	9
60	62	110	9

Materials and classes

Material	Class / hardness	M	Supply
Steel to mechanical specification	100 HV	M2–M60	On request

Finishes and treatments

Finish	Material	Class	M
Plain / as manufactured	Steel to mechanical specification	100 HV	M2–M60
Electroplated zinc	Steel to mechanical specification	100 HV	M2–M60

Select the finish for the material/property-class combination. Hydrogen relief and lubrication are separate process requirements, not certificates and not implied by the coating name.



Standards, documents and enquiry

The commercial version described here has 100 HV hardness. Bore and outside diameter follow catalogue dimensions; complete tolerances require confirmation against the supply specification. Similar geometry does not give the washer a 200 HV or 300 HV hardness class.

100 HV washers are also used commercially with class 8.8 bolts and class 8 nuts. This is not a universal design rule: verify bearing pressure, support material and joint requirements.

ISO 7089:2000

Related reference with distinct hardness requirements: ISO 7089 specifies 200 HV/300 HV. Do not confuse the commercial 100 HV version with ISO conformity.

UNI 6592

Related commercial reference for plain washers. Verify the requested specification and dimensions without claiming exact normative equivalence.

Supply documentation

Declaration of conformity; Material certificate; EN 10204 2.2 test report; EN 10204 3.1 inspection certificate; Dimensional inspection report; Coating report; Other documentation

Documents are subject to order agreement; no batch certificate is automatically included.

Related components

DIN 9021, ISO 7089, ISO 4014, ISO 4032. Check bore size, bearing surface, hardness and materials throughout the connection.

Request a quote

Specify standard, diameter, pitch and length where applicable, material, property class or hardness, finish, quantity and documents. Other sizes and dedicated production can be assessed on request, with agreed minimum quantities.

Reference technical configurations: these do not represent stock quantities.

Other materials and specifications

For requirements beyond the tabulated combinations, enquire about aluminium, brass, nylon, duplex, superduplex or an ASTM specification. Alloy or grade, dimensions, mechanical requirements and finish are defined for the enquiry; the geometric reference does not automatically imply conformity with the product standard.