

DIN 125

Plain Washer - Normal Series



Standard	DIN 125		
Product Type	Plain Washer - Normal Series		
Material	Stainless Steel, Carbon Steel		
Property Class	200 HV, 300 HV, 140 HV		
Surface Finish	Passivated, Plain, Zinc Plated, Hot Dip Galvanized, Dacromet		
Size Range	M1.6 - M160	Thread	ISO metric coarse pitch

BASIS OF SPECIFICATION		WHICH STANDARD GOVERNS WHAT
Carbon steel / Alloy steel mechanical properties to	ISO 898-3:2018	
Stainless steel mechanical properties to	ISO 3506-7:2024	
Dimensions edition	to be agreed	
Product grade	to be agreed	

HARDNESS REQUIREMENTS		REQUIRED VALUES PER DIN 125	
Class	Hardness	Governing property	Source
200 HV	min. 200 HV	Hardness class (upper limit per standard table)	DIN 125
300 HV	min. 300 HV	Hardness class (upper limit per standard table)	DIN 125
140 HV	min. 140 HV	Hardness class (upper limit per standard table)	DIN 125

DIMENSIONAL DATA - SIZES WE SUPPLY					ALL DIMENSIONS PER THE STANDARD				
d Diameter - mm	d1 Inner Diameter - mm	d2 Outer Diameter - mm	h Washer Thickness - mm	Approx. Mass	d Diameter - mm	d1 Inner Diameter - mm	d2 Outer Diameter - mm	h Washer Thickness - mm	Approx. Mass
M3	3.2	7	0.5	0.119	M12	13	24	2.5	6.27
M4	4.3	9	0.8	0.308	M16	17	30	3	11.3
M5	5.3	10	1	0.443	M20	21	37	3	17.2
M6	6.4	12	1.6	1.02	M24	25	44	4	32.3
M8	8.4	16	1.6	1.83	M30	31	56	4	53.6
M10	10.5	20	2	3.57	M36	37	66	5	92.1

FURTHER SIZES IN THIS STANDARD

ALL DIMENSIONS PER THE STANDARD

Not held in stock. Available to order; minimum order quantity applies.

d Diameter - mm	d1 Inner Diameter - mm	d2 Outer Diameter - mm	h Washer Thickness - mm	Approx. Mass	d Diameter - mm	d1 Inner Diameter - mm	d2 Outer Diameter - mm	h Washer Thickness - mm	Approx. Mass
M1.6	1.7	4	0.3	0.024	M38	39	72	6	136
M1.7	1.8	4.5	0.3	0.031	M39	40	72	6	133
M2	2.2	5	0.3	0.037	M40	41	72	6	130
M2.3	2.5	6	0.5	0.092	M42	43	78	7	183
M2.5	2.7	6	0.5	0.088	M45	46	85	7	220
M2.6	2.8	7	0.5	0.127	M48	50	92	8	294
M3.5	3.7	8	0.5	0.155	M50	52	92	8	284
M7	7.4	14	1.6	1.39	M52	54	98	8	330
M14	15	28	2.5	8.62	M55	57	105	9	431
M18	19	34	3	14.7	M56	58	105	9	425
M22	23	39	3	18.3	M58	60	110	9	472
M26	27	50	4	43.7	M60	62	110	9	458
M27	28	50	4	42.3	M64	66	115	9	492
M28	29	50	4	40.9	M68	70	120	10	586
M32	33	60	5	77.4	M72	74	125	10	626
M33	34	60	5	75.3	M76	78	135	10	749
M35	36	66	5	94.3	M80	82	140	12	953

FURTHER SIZES IN THIS STANDARD (CONTINUED)

ALL DIMENSIONS PER THE STANDARD

d Diameter - mm	d1 Inner Diameter - mm	d2 Outer Diameter - mm	h Washer Thickness - mm	Approx. Mass	d Diameter - mm	d1 Inner Diameter - mm	d2 Outer Diameter - mm	h Washer Thickness - mm	Approx. Mass
M85	87	145	12	996	M125	129	220	16	3130
M90	93	160	12	1250	M130	134	220	16	3000
M95	98	165	12	1300	M135	139	230	16	3310
M100	104	175	14	1710	M140	144	240	18	4090
M105	109	180	14	1770	M145	149	250	18	4470
M110	114	185	14	1830	M150	155	250	18	4270
M115	119	200	14	2230	M160	165	250	18	3910
M120	124	210	16	2830					

MARKING

Carbon steel / Alloy steel	Head marking to ISO 898-3:2018
Stainless steel	Head marking to ISO 3506-7:2024

Marking requirements are set by the material standard named above, not by the product standard. Confirm the ordered property class before production.

INSPECTION DOCUMENTS WE CAN ISSUE

EN 10204 3.1 material certificate	Can be included when agreed in the order.
Dimensional inspection report	Can be provided for the agreed inspection scope.
Certificate of conformity	Can be issued against the confirmed order requirements.
Mechanical test report	Available when the required tests are agreed before production.
Chemical analysis report	Available when the material verification scope is agreed.
Coating inspection report	Can record the coating checks agreed for the order.

REFERENCES & NOTES

Note: DIN 125 is a withdrawn legacy standard; the current standard for this product is ISO 7089. This sheet is built to DIN 125. Dimensions can differ between the two - check the recorded correspondence on our website before substituting one for the other.