

ISO 7094

Plain washers - Extra large series



Standard	ISO 7094		
Product Type	Plain washers - Extra large series		
Material	Carbon Steel		
Property Class	100 HV		
Surface Finish	Zinc Plated, Hot Dip Galvanized, Plain		
Size Range	M5 - M36	Thread	ISO metric coarse pitch

BASIS OF SPECIFICATION		WHICH STANDARD GOVERNS WHAT
Dimensions to	ISO 7094:2000	
Carbon steel / Alloy steel mechanical properties to	ISO 898-3:2018	
Stainless steel mechanical properties to	ISO 3506-7:2024	
Product grade	C	

HARDNESS REQUIREMENTS		REQUIRED VALUES PER ISO 7094	
Class	Hardness	Governing property	Source
100 HV	min. 100 HV	Hardness class (upper limit per standard table)	ISO 7094

DIMENSIONAL DATA - SIZES WE SUPPLY								ALL DIMENSIONS PER THE STANDARD
d	d1	d1 (max)	d2	d2 (min)	h	h (max)	h (min)	
Diameter - mm	Inner Diameter - mm	Inner Diameter - mm	Outer Diameter - mm	Outer Diameter - mm	Washer Thickness - mm	Thickness - mm	Thickness - mm	
M5	5.5	5.8	18	16.9	2	2.3	1.7	
M6	6.6	6.96	22	20.7	2	2.3	1.7	
M8	9	9.36	28	26.7	3	3.6	2.4	
M10	11	11.43	34	32.4	3	3.6	2.4	
M12	13.5	13.93	44	42.4	4	4.6	3.4	
M16	17.5	18.2	56	54.1	5	6	4	
M20	22	22.84	72	70.1	6	7	5	
M24	26	26.84	85	82.8	6	7	5	
M30	33	34	105	102.8	6	7	5	
M36	39	40	125	122.5	8	9.2	6.8	

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	d1 (max) Inner Diameter - mm	d2 Outer Diameter - mm	d2 (min) Outer Diameter - mm	h Washer Thickness - mm	h (max) Thickness - mm	h (min) Thickness - mm
M14	15.5	15.93	50	48.1	4	4.6	3.4
M18	20	20.43	60	58.1	5	6	4
M22	24	24.84	80	78.1	6	7	4
M27	30	30.84	98	95.8	6	7	5
M33	36	37	115	112.8	8	9.2	6.8

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: Dimensional values follow the selected execution standard. Material properties and batch test results are included only when declared or supported by the applicable certificate or test report.