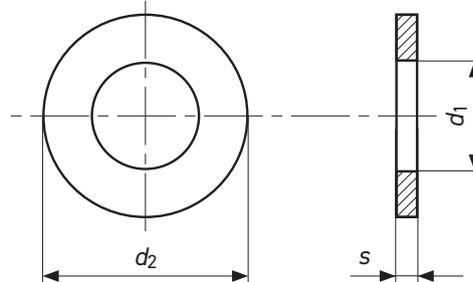


# FLAT WASHERS

ISO 7089    UNI 6592    DIN 125 A



MATERIAL	STEEL	STAINLESS STEEL	BRASS
MECHANICAL PROPERTIES	ACCORDING TO ISO 4759 - 3	ACCORDING TO ISO 4759 - 3	
CLASS	<div style="display: flex; justify-content: space-around;"> <div style="background-color: red; color: white; padding: 2px 5px;"><b>100 HV</b></div> <div style="background-color: blue; color: white; padding: 2px 5px;"><b>200 HV</b></div> </div> <div style="background-color: yellow; color: black; padding: 2px 5px; margin-top: 5px;"><b>300 HV</b></div>	<div style="display: flex; justify-content: space-around;"> <div style="background-color: green; color: white; padding: 2px 5px;"><b>A2</b></div> <div style="background-color: orange; color: white; padding: 2px 5px;"><b>A4</b></div> </div>	<div style="background-color: red; color: white; padding: 2px 5px; text-align: center;"><b>0T</b></div>
TOLLERANCES	ACCORDING TO UNI 6602 CAT A - ISO 4759-3	ACCORDING TO UNI 6602 CAT A - ISO 4759-3	
AVAILABLE TREATMENT	Plain - White zinc plated or Yellow zinc plated according to RoHS - Hot dip galvanized - Other coatings on request		

d	d <sub>1</sub> min	d <sub>2</sub> max	s nom	Kg
M 2	2,2	5	0,3	0,037
M 2,5	2,7	6	0,5 (± 0,05)	0,088
M 3	3,2	7	0,5 (± 0,05)	0,119
M 4	4,3	9	0,8 (± 0,1)	0,308
M 5	5,3	10	1,0 (± 0,1)	0,443
M 6	6,4	12	1,6 (± 0,2)	1,02
M 8	8,4	16	1,6 (± 0,2)	1,83
M 10	10,5	20	2,0 (± 0,2)	3,57
M 12	13,0	24	2,5 (± 0,2)	6,27
M 14	15,0	28	2,5 (± 0,3)	8,62
M 16	17,0	30	3 (± 0,3)	11,3
M 18	19,0	34	3 (± 0,3)	14,7
M 20	21,0	37	3 (± 0,3)	17,2
M 22	23,0	39	3 (± 0,3)	18,3
M 24	25,0	44	4 (± 0,3)	32,3
M 27	28,0	50	4 (± 0,3)	42,3
M 30	31,0	56	4 (± 0,3)	53,6
M 33	34,0	60	5 (± 0,6)	75,3
M 36	37,0	66	5 (± 0,6)	92,1
M 39	40,0	72	6 (± 1)	133
M 42	43,0	78	7 (± 1)	183
M 45	46,0	85	7 (± 1)	220
M 48	50,0	92	8 (± 1)	294
M 52	54,0	98	8 (± 1)	330
M 56	58,0	105	9 (± 1)	425
M 60	62,0	110	9 (± 1)	458

Weight for 1000 pcs

(\*) The standard ISO is different from UNI 6592 and DIN 125A for the surface hardness (ISO 7089)

For product weights in stainless steel A2 multiply the values by 1.01, A4 by 1.013. For brass product weights multiply the values by 1.083.

