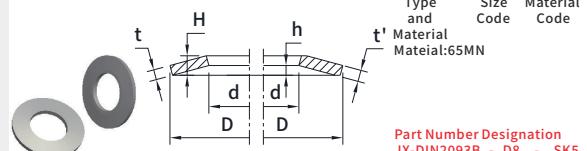


# JX STAMPING FASTENERS SERIES

## GB/T 1972B-DIN2093 Butterfly Washer



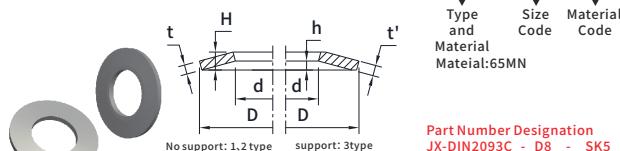
Main Material: 65MN, SK5, SK7, SUS304, 316(A2, A4) and other special customized material

Surface Treatment: stainless steel curing polished original color or spring steel in black, mechanical galvanizing, nickel plating, Dacromet coating treatment

Unit:mm

# JX STAMPING FASTENERS SERIES

## GB/T 1972C-DIN2093 Butterfly Washer



Part Number Designation JX-DIN2093C - D8 - 65MN

Type and Material Code: 65MN

Part Number Designation JX-DIN2093C - D8 - SK5

Type and Material Code: SK5

Main Material: 65MN, SK5, SK7, SUS304, 316(A2, A4) and other special customized material

Surface Treatment: stainless steel curing polished original color or spring steel in black, mechanical galvanizing, nickel plating, Dacromet coating treatment

Unit:mm

Size D	P/N				d	t(t')	h	H	Weight 1000Pcs kg	Gasket type
	65MN	Sk5	Sk7	Stainless steel						
8	JX-DIN2093B-D8-65MN	JX-DIN2093B-D8-SK5	JX-DIN2093B-D8-SK7	JX-DIN2093B-D8-SS	4.2	0.3	0.25	0.55	0.086	1
10	JX-DIN2093B-D10-65MN	JX-DIN2093B-D10-SK5	JX-DIN2093B-D10-SK7	JX-DIN2093B-D10-SS	5.2	0.4	0.30	0.70	0.180	
12.5	JX-DIN2093B-D12.5-65MN	JX-DIN2093B-D12.5-SK5	JX-DIN2093B-D12.5-SK7	JX-DIN2093B-D12.5-SS	6.2	0.5	0.35	0.85	0.363	
14	JX-DIN2093B-D14-65MN	JX-DIN2093B-D14-SK5	JX-DIN2093B-D14-SK7	JX-DIN2093B-D14-SS	7.2	0.5	0.40	0.90	0.444	
16	JX-DIN2093B-D16-65MN	JX-DIN2093B-D16-SK5	JX-DIN2093B-D16-SK7	JX-DIN2093B-D16-SS	8.2	0.6	0.45	1.05	0.698	
18	JX-DIN2093B-D18-65MN	JX-DIN2093B-D18-SK5	JX-DIN2093B-D18-SK7	JX-DIN2093B-D18-SS	9.2	0.7	0.50	1.2	1.030	
20	JX-DIN2093B-D20-65MN	JX-DIN2093B-D20-SK5	JX-DIN2093B-D20-SK7	JX-DIN2093B-D20-SS	10.2	0.8	0.55	1.35	1.460	
22.5	JX-DIN2093B-D22.5-65MN	JX-DIN2093B-D22.5-SK5	JX-DIN2093B-D22.5-SK7	JX-DIN2093B-D22.5-SS	11.2	0.8	0.65	1.45	1.880	
25	JX-DIN2093B-D25-65MN	JX-DIN2093B-D25-SK5	JX-DIN2093B-D25-SK7	JX-DIN2093B-D25-SS	12.2	0.9	0.70	1.6	2.640	
28	JX-DIN2093B-D28-65MN	JX-DIN2093B-D28-SK5	JX-DIN2093B-D28-SK7	JX-DIN2093B-D28-SS	14.2	1	0.80	1.8	3.590	
31.5	JX-DIN2093B-D31.5-65MN	JX-DIN2093B-D31.5-SK5	JX-DIN2093B-D31.5-SK7	JX-DIN2093B-D31.5-SS	16.3	1.25	0.90	2.15	5.600	
35.5	JX-DIN2093B-D35.5-65MN	JX-DIN2093B-D35.5-SK5	JX-DIN2093B-D35.5-SK7	JX-DIN2093B-D35.5-SS	18.3	1.25	1	2.25	7.130	
40	JX-DIN2093B-D40-65MN	JX-DIN2093B-D40-SK5	JX-DIN2093B-D40-SK7	JX-DIN2093B-D40-SS	20.4	1.5	1.15	2.65	10.95	
45	JX-DIN2093B-D45-65MN	JX-DIN2093B-D45-SK5	JX-DIN2093B-D45-SK7	JX-DIN2093B-D45-SS	22.4	1.75	1.3	3.05	16.40	
50	JX-DIN2093B-D50-65MN	JX-DIN2093B-D50-SK5	JX-DIN2093B-D50-SK7	JX-DIN2093B-D50-SS	25.4	2	1.4	3.4	22.90	
56	JX-DIN2093B-D56-65MN	JX-DIN2093B-D56-SK5	JX-DIN2093B-D56-SK7	JX-DIN2093B-D56-SS	28.5	2	1.6	3.6	28.70	2
63	JX-DIN2093B-D63-65MN	JX-DIN2093B-D63-SK5	JX-DIN2093B-D63-SK7	JX-DIN2093B-D63-SS	31	2.5	1.75	4.25	46.40	
71	JX-DIN2093B-D71-65MN	JX-DIN2093B-D71-SK5	JX-DIN2093B-D71-SK7	JX-DIN2093B-D71-SS	36	2.5	2	4.5	57.70	
80	JX-DIN2093B-D80-65MN	JX-DIN2093B-D80-SK5	JX-DIN2093B-D80-SK7	JX-DIN2093B-D80-SS	41	3	2.3	5.3	87.30	
90	JX-DIN2093B-D90-65MN	JX-DIN2093B-D90-SK5	JX-DIN2093B-D90-SK7	JX-DIN2093B-D90-SS	46	3.5	2.5	6	129.1	
100	JX-DIN2093B-D100-65MN	JX-DIN2093B-D100-SK5	JX-DIN2093B-D100-SK7	JX-DIN2093B-D100-SS	51	3.5	2.8	6.3	159.7	
112	JX-DIN2093B-D112-65MN	JX-DIN2093B-D112-SK5	JX-DIN2093B-D112-SK7	JX-DIN2093B-D112-SS	57	4	3.2	7.2	229.2	
125	JX-DIN2093B-D125-65MN	JX-DIN2093B-D125-SK5	JX-DIN2093B-D125-SK7	JX-DIN2093B-D125-SS	64	5	3.5	8.5	355.4	
140	JX-DIN2093B-D140-65MN	JX-DIN2093B-D140-SK5	JX-DIN2093B-D140-SK7	JX-DIN2093B-D140-SS	72	5	4	9	444.4	
160	JX-DIN2093B-D160-65MN	JX-DIN2093B-D160-SK5	JX-DIN2093B-D160-SK7	JX-DIN2093B-D160-SS	82	6	4.5	10.5	698.3	
180	JX-DIN2093B-D180-65MN	JX-DIN2093B-D180-SK5	JX-DIN2093B-D180-SK7	JX-DIN2093B-D180-SS	92	6	5.1	11.1	885.4	
200	JX-DIN2093B-D200-65MN	JX-DIN2093B-D200-SK5	JX-DIN2093B-D200-SK7	JX-DIN2093B-D200-SS	102	8(7.5)	5.6	13.6	1369	
225	JX-DIN2093B-D225-65MN	JX-DIN2093B-D225-SK5	JX-DIN2093B-D225-SK7	JX-DIN2093B-D225-SS	112	8(7.5)	6.5	14.5	1761	
250	JX-DIN2093B-D250-65MN	JX-DIN2093B-D250-SK5	JX-DIN2093B-D250-SK7	JX-DIN2093B-D250-SS	127	10(9.4)	7	17	2687	

a. The t given in the table is the nominal value of the disc spring thickness and t' is the actual thickness of the disc spring of category 3.

b. om is the calculation of the OM point on the upper surface of the disc spring.

c. The value with "\*" is the maximum calculated stress at position II and the value without "\*" is the maximum calculated tensile stress at position III.

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