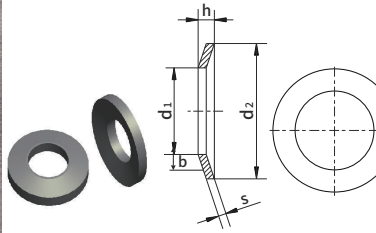


# STAMPING FASTENERS SERIES

## JX-NFE25510 Disc Washer



Part Number Designation  
JX-NFE25510 - D5 - 65MN

Type and Material  
Material:65MN

Size Code

Material Code

Part Number Designation  
JX-NFE25510 - D5 - SK5

Type and Material  
Material:SK5

Size Code

Material Code

Material:65MN, SK5, SK7, Stainless steel

Unit:mm

Size d	P/N			d <sub>1</sub> is15		d <sub>2</sub> IT14		s		h		b
	65MN	Sk5	Stainless steel	Min	Max	Nom	Tol	Nom	Tol	h min	h max	
5	JX-NFE25510-D5-11-65MN	JX-NFE25510-D5-11-Sk5	JX-NFE25510-D5-11-SS	5.3	5.6	11	±0.35	1.2	±0.04	1.5	1.8	±0.36
5	JX-NFE25510-D5-15-65MN	JX-NFE25510-D5-15-Sk5	JX-NFE25510-D5-15-SS	5.3	5.6	15	±0.35	1.4	±0.04	1.8	2.1	±0.36
6	JX-NFE25510-D6-12-65MN	JX-NFE25510-D6-12-Sk5	JX-NFE25510-D6-12-SS	6.4	6.76	12	±0.35	1.4	±0.04	1.7	2.0	±0.36
6	JX-NFE25510-D6-14-65MN	JX-NFE25510-D6-14-Sk5	JX-NFE25510-D6-14-SS	6.4	6.76	14	±0.35	1.5	±0.04	1.9	2.2	±0.36
6	JX-NFE25510-D6-18-65MN	JX-NFE25510-D6-18-Sk5	JX-NFE25510-D6-18-SS	6.4	6.76	18	±0.35	1.7	±0.05	2.1	2.4	±0.36
8	JX-NFE25510-D8-14-65MN	JX-NFE25510-D8-14-Sk5	JX-NFE25510-D8-14-SS	8.4	8.76	14	±0.35	1.9	±0.05	2.3	2.6	±0.36
8	JX-NFE25510-D8-18-65MN	JX-NFE25510-D8-18-Sk5	JX-NFE25510-D8-18-SS	8.4	8.76	18	±0.35	2.0	±0.05	2.4	2.7	±0.36
8	JX-NFE25510-D8-22-65MN	JX-NFE25510-D8-22-Sk5	JX-NFE25510-D8-22-SS	8.4	8.76	22	±0.42	2.2	±0.05	2.6	3.0	±0.42
10	JX-NFE25510-D10-20-65MN	JX-NFE25510-D10-20-Sk5	JX-NFE25510-D10-20-SS	10.5	10.93	20	±0.42	2.4	±0.05	2.7	3.1	±0.42
10	JX-NFE25510-D10-20-65MN	JX-NFE25510-D10-20-Sk5	JX-NFE25510-D10-20-SS	10.5	10.93	22	±0.42	2.8	±0.05	2.9	3.3	±0.42
10	JX-NFE25510-D10-27-65MN	JX-NFE25510-D10-27-Sk5	JX-NFE25510-D10-27-SS	10.5	10.93	27	±0.42	2.8	±0.05	3.3	3.7	±0.42
12	JX-NFE25510-D12-24-65MN	JX-NFE25510-D12-24-Sk5	JX-NFE25510-D12-24-SS	13.0	13.43	24	±0.42	2.8	±0.06	3.2	3.6	±0.42
12	JX-NFE25510-D12-30-65MN	JX-NFE25510-D12-30-Sk5	JX-NFE25510-D12-30-SS	13.0	13.43	30	±0.42	3.2	±0.06	3.8	4.2	±0.42
14	JX-NFE25510-D14-28-65MN	JX-NFE25510-D14-28-Sk5	JX-NFE25510-D14-28-SS	15.0	15.43	28	±0.42	3.0	±0.06	3.5	3.9	±0.42
16	JX-NFE25510-D16-32-65MN	JX-NFE25510-D16-32-Sk5	JX-NFE25510-D16-32-SS	17.0	17.43	32	±0.50	3.4	±0.06	3.9	4.3	±0.50
16	JX-NFE25510-D16-39-65MN	JX-NFE25510-D16-39-Sk5	JX-NFE25510-D16-39-SS	17.0	17.43	39	±0.50	3.6	±0.06	4.3	4.7	±0.50
20	JX-NFE25510-D20-38-65MN	JX-NFE25510-D20-38-Sk5	JX-NFE25510-D20-38-SS	21.0	21.52	38	±0.50	4.0	±0.06	4.7	5.1	±0.50
20	JX-NFE25510-D20-45-65MN	JX-NFE25510-D20-45-Sk5	JX-NFE25510-D20-45-SS	21.0	21.52	45	±0.50	4.4	±0.07	5.9	6.4	±0.50

## JX-DIN6908 Disc 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

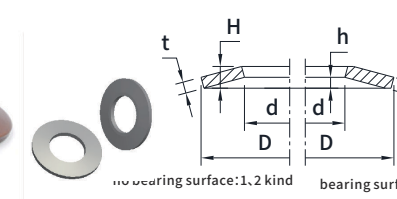


Size d	P/N			H		d		D		b
	65Mn	Sk5	Stainless steel	Max	Min	Max	Min	Max	Min	
M2.5	JX-DIN6908-M2.5-6-65Mn	JX-DIN6908-M2.5-6-Sk5	JX-DIN6908-M2.5-6-SS	0.72	0.61	2.35	2.25	6.0	5.7	0.5
M3	JX-DIN6908-M3-7-65Mn	JX-DIN6908-M3-7-Sk5	JX-DIN6908-M3-7-SS	0.85	0.72	2.85	2.75	7.0	6.64	0.6
M3.5	JX-DIN6908-M3.5-8-65Mn	JX-DIN6908-M3.5-8-Sk5	JX-DIN6908-M3.5-8-SS	1.06	0.92	3.32	3.2	8.0	7.64	0.8
M4	JX-DIN6908-M4-9-65Mn	JX-DIN6908-M4-9-Sk5	JX-DIN6908-M4-9-SS	1.3	1.12	3.72	3.6	9.0	8.64	1.0
M5	JX-DIN6908-M5-11-65Mn	JX-DIN6908-M5-11-Sk5	JX-DIN6908-M5-11-SS	1.55	1.35	4.67	4.55	11.0	10.57	1.2
M6	JX-DIN6908-M6-14-65Mn	JX-DIN6908-M6-14-Sk5	JX-DIN6908-M6-14-SS	2.0	1.7	5.62	5.5	14	13.57	1.5
M8	JX-DIN6908-M8-18-65Mn	JX-DIN6908-M8-18-Sk5	JX-DIN6908-M8-18-SS	2.6	2.24	7.55	7.4	18	17.57	2.0
M10	JX-DIN6908-M10-23-65Mn	JX-DIN6908-M10-23-Sk5	JX-DIN6908-M10-23-SS	3.2	2.8	9.45	9.3	23	22.48	2.5
M12	JX-DIN6908-M12-29-65Mn	JX-DIN6908-M12-29-Sk5	JX-DIN6908-M12-29-SS	3.96	3.43	11.18	11	29	28.48	3.0

Unit:mm

# STAMPING FASTENERS SERIES

## GB/T 1972A-DIN2093 Butterfly Washer



Part Number Designation  
JX-DIN2093A - D8 - 65MN

Type and Material  
Material:65MN

Size Code

Material Code

Part Number Designation  
JX-DIN2093A - D8 - SK5

Type and Material  
Material:SK5

Size Code

Material Code

no bearing surface:1,2 kind bearing surface:3kind

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

A D/t≈18; H0/t≈0.4; E=20600N/mm <sup>2</sup> ; μ=0.3													
Size D	P/N				d	t(t')	h	H	Weight 1000Pcs kg	Gasket type			
	65MN	Sk5	Sk7	Stainless steel									
8	JX-DIN2093A-D8-65MN	JX-DIN2093A-D8-SK5	JX-DIN2093A-D8-SK7	JX-DIN2093A-D8-SS	4.2	0.4	0.2	0.6	0.114	1			
10	JX-DIN2093A-D10-65MN	JX-DIN2093A-D10-SK5	JX-DIN2093A-D10-SK7	JX-DIN2093A-D10-SS	5.2	0.5	0.25	0.75	0.225				
12.5	JX-DIN2093A-D12.5-65MN	JX-DIN2093A-D12.5-SK5	JX-DIN2093A-D12.5-SK7	JX-DIN2093A-D12.5-SS	6.2	0.7	0.3	1	0.508				
14	JX-DIN2093A-D14-65MN	JX-DIN2093A-D14-SK5	JX-DIN2093A-D14-SK7	JX-DIN2093A-D14-SS	7.2	0.8	0.3	1.1	0.711				
16	JX-DIN2093A-D16-65MN	JX-DIN2093A-D16-SK5	JX-DIN2093A-D16-SK7	JX-DIN2093A-D16-SS	8.2	0.9	0.35	1.25	1.050				
18	JX-DIN2093A-D18-65MN	JX-DIN2093A-D18-SK5	JX-DIN2093A-D18-SK7	JX-DIN2093A-D18-SS	9.2	1	0.4	1.4	1.480				
20	JX-DIN2093A-D20-65MN	JX-DIN2093A-D20-SK5	JX-DIN2093A-D20-SK7	JX-DIN2093A-D20-SS	10.2	1.1	0.45	1.55	2.010				
22.5	JX-DIN2093A-D22.5-65MN	JX-DIN2093A-D22.5-SK5	JX-DIN2093A-D22.5-SK7	JX-DIN2093A-D22.5-SS	11.2	1.25	0.5	1.75	2.940				
25	JX-DIN2093A-D25-65MN	JX-DIN2093A-D25-SK5	JX-DIN2093A-D25-SK7	JX-DIN2093A-D25-SS	12.2	1.5	0.55	2.05	4.400				
28	JX-DIN2093A-D28-65MN	JX-DIN2093A-D28-SK5	JX-DIN2093A-D28-SK7	JX-DIN2093A-D28-SS	14.2	1.5	0.65	2.15	5.390				
31.5	JX-DIN2093A-D31.5-65MN	JX-DIN2093A-D31.5-SK5	JX-DIN2093A-D31.5-SK7	JX-DIN2093A-D31.5-SS	16.3	1.75	0.70	2.45	7.840				
35.5	JX-DIN2093A-D35.5-65MN	JX-DIN2093A-D35.5-SK5	JX-DIN2093A-D35.5-SK7	JX-DIN2093A-D35.5-SS	18.3	2	0.80	2.80	11.40				
40	JX-DIN2093A-D40-65MN	JX-DIN2093A-D40-SK5	JX-DIN2093A-D40-SK7	JX-DIN2093A-D40-SS	20.4	2.25	0.90	3.15	16.40				
45	JX-DIN2093A-D45-65MN	JX-DIN2093A-D45-SK5	JX-DIN2093A-D45-SK7	JX-DIN2093A-D45-SS	22.4	2.5	1	3.50	23.50				
50	JX-DIN2093A-D50-65MN	JX-DIN2093A-D50-SK5	JX-DIN2093A-D50-SK7	JX-DIN2093A-D50-SS	25.4	3	1.1	4.1	34.30				
56	JX-DIN2093A-D56-65MN	JX-DIN2093A-D56-SK5	JX-DIN2093A-D56-SK7	JX-DIN2093A-D56-SS	28.5	3	1.3	4.3	43.00				
63	JX-DIN2093A-D63-65MN	JX-DIN2093A-D63-SK5	JX-DIN2093A-D63-SK7	JX-DIN2093A-D63-SS	31	3.5	1.4	4.9	64.90				
71	JX-DIN2093A-D71-65MN	JX-DIN2093A-D71-SK5	JX-DIN2093A-D71-SK7	JX-DIN2093A-D71-SS	36	4	1.6	5.6	91.80				
80	JX-DIN2093A-D80-65MN	JX-DIN2093A-D80-SK5	JX-DIN2093A-D80-SK7	JX-DIN2093A-D80-SS	41	5	1.7	6.7	145.0				
90	JX-DIN2093A-D90-65MN	JX-DIN2093A-D90-SK5	JX-DIN2093A-D90-SK7	JX-DIN2093A-D90-SS	46	5	2	7	184.5				
100	JX-DIN2093A-D100-65MN	JX-DIN2093A-D100-SK5	JX-DIN2093A-D100-SK7	JX-DIN2093A-D100-SS	51	6	2.2	8.2	273.7				
112	JX-DIN2093A-D112-65MN	JX-DIN2093A-D112-SK5	JX-DIN2093A-D112-SK7	JX-DIN2093A-D112-SS	57	6	2.5	8.5	243.8				
125	JX-DIN2093A-D125-65MN	JX-DIN2093A-D125-SK5	JX-DIN2093A-D125-SK7	JX-DIN2093A-D125-SS	64	8(7.5)	2.6	10.6	533.0				
140	JX-DIN2093A-D140-65MN	JX-DIN2093A-D140-SK5	JX-DIN2093A-D140-SK7	JX-DIN2093A-D140-SS	72	8(7.5)	3.2	11.2	666.6				
160	JX-DIN2093A-D160-65MN	JX-DIN2093A-D160-SK5	JX-DIN2093A-D160-SK7	JX-DIN2093A-D160-SS	82	10(9.4)	3.5	13.5	1094				
180	JX-DIN2093A-D180-65MN	JX-DIN2093A-D180-SK5	JX-DIN2093A-D180-SK7	JX-DIN2093A-D180-SS	92	10(9.4)	4	14	1387				
200	JX-DIN2093A-D200-65MN	JX-DIN2093A-D200-SK5	JX-DIN2093A-D200-SK7	JX-DIN2093A-D200-SS	102	12(11.25)	4.2	16.2	2100				
225	JX-DIN2093A-D225-65MN	JX-DIN2093A-D225-SK5	JX-DIN2093A-D225-SK7	JX-DIN2093A-D225-SS	112	12(11.25)	5	17	2640				
250	JX-DIN2093A-D250-65MN	JX-DIN2093A-D250-SK5	JX-DIN2093A-D250-SK7	JX-DIN2093A-D250-SS	127	14(13.1)	5.6	19.6	3750				

- 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.oom 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.