

STAMPING FASTENERS SERIES

JX-NFE-3L. Triple Fold, Four Fold 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

Part Number Designation
JX-NFE-3L - D4 - 65MN
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Type and Material
Material:65MN

Part Number Designation
JX-NFE-3L - D4 - SK5
↓
Type and Material
Material:SK5

Size D	P/N				d1	d2	e	h1	h2	1000PCS Weight/kg	Minimum load (N)
	65MN	Sk5	Sk7	Stainless steel							
4	JX-NFE-3L-D4-65MN	JX-NFE-3L-D4-SK5	JX-NFE-3L-D4-SK7	JX-NFE-3L-D4-SS	10	4.5	1.5	0.30	0.5	0.22	150
5	JX-NFE-3L-D5-65MN	JX-NFE-3L-D5-SK5	JX-NFE-3L-D5-SK7	JX-NFE-3L-D5-SS	12	5.5	2.4	0.20	0.3	0.48	360
6	JX-NFE-3L-D6-65MN	JX-NFE-3L-D6-SK5	JX-NFE-3L-D6-SK7	JX-NFE-3L-D6-SS	14	6.5	2.4	0.38	0.6	0.67	400
8	JX-NFE-3L-D8-65MN	JX-NFE-3L-D8-SK5	JX-NFE-3L-D8-SK7	JX-NFE-3L-D8-SS	18	8.5	3.6	0.34	0.56	1.96	1200
10	JX-NFE-3L-D10-65MN	JX-NFE-3L-D10-SK5	JX-NFE-3L-D10-SK7	JX-NFE-3L-D10-SS	22	10.5	4.5	0.41	0.6	3.18	2100
12	JX-NFE-3L-D12-65MN	JX-NFE-3L-D12-SK5	JX-NFE-3L-D12-SK7	JX-NFE-3L-D12-SS	27	12.5	5.4	0.53	0.8	5.96	2300
14	JX-NFE-3L-D14-65MN	JX-NFE-3L-D14-SK5	JX-NFE-3L-D14-SK7	JX-NFE-3L-D14-SS	30	15	6.0	0.64	1.05	7.85	2800
16	JX-NFE-3L-D16-65MN	JX-NFE-3L-D16-SK5	JX-NFE-3L-D16-SK7	JX-NFE-3L-D16-SS	33	17	6.6	0.80	1.25	11.17	4000
18	JX-NFE-3L-D18-65MN	JX-NFE-3L-D18-SK5	JX-NFE-3L-D18-SK7	JX-NFE-3L-D18-SS	36	19	7.5	0.77	1.09	13.43	4800
20	JX-NFE-3L-D20-65MN	JX-NFE-3L-D20-SK5	JX-NFE-3L-D20-SK7	JX-NFE-3L-D20-SS	40	21	9.0	0.71	1.15	20.64	6000

Unit:mm

Supplementary Technical Data for Disc Washers

Inner and outer diameter tolerance			Thickness, free height and load tolerances				
inside diameter or outside	Allowable Tolerance (mm)		Group	Disc thickness	Tolerance (mm)		Hardness
mm	外径 (O.D.)	内径 (I.D.)	Group	Thickness (tor t)	High (IO)	Load (F)%	HRC
3~6	0~0.12	0~+0.12	1	0.2 to 0.6	+0.02	+25.0	42-52
6~10	0~0.15	0~+0.15			-0.06		
10~18	0~0.18	0~+0.18			+0.03		
18~30	0~0.21	0~+0.21					
30~50	0~0.25	0~+0.25	2	1.25 to 2.0	+0.15		
50~80	0~0.30	0~+0.30			-0.12		
80~120	0~0.35	0~+0.35				+0.04	
120~180	0~0.40	0~+0.40	3	>3.0 to 3.8	-0.10	+10.0	
180~250	0~0.46	0~+0.46			+0.05		
250~315	0~0.52	0~+0.52			-0.15		
315~400	0~0.57	0~+0.57			-0.15		
Common materials and application industries of disc spring manufacturing							
Material Item	Material properties		Temperature range(°C)	Scope of application			
51CrV4/SK5,SK7/65MN,SK5,SK7/60SiMnA,50CrVA	Standard material		-20~60 -50~100	Equipment manufacturing, machinery manufacturing, automotive industry and general industry			
51CrMov4/SK5,SK7/60SiMnA,50CrVA	Thick material		-50~100	Equipment manufacturing			
x12cNi177 x7CrNiAl177/x5CrNiMo1810 /SUS301.304.420J2.630.631	preservative		-200~100 -200~350 -200~100	Food industry, chemical industry			
x35CrMo17/x30CrV35/x22CrMoV121	Thermal stability		-60~400 -60~400 -60~500	Construction of chemical industry, boilers and power plants			
cuBe2/cuBe1.7/SUS301.304.420J2.630.631	Antimagnetic and corrosion resistant		-260~200	Electronics industry, satellite industry, satellite equipment, cryogenic technology			
Inconel718/Inconelx750/Nimonic 90/SUS301.304.420J2.630.631	High temperature material		-260~700 -260~600 -260~800	Chemical industry and boiler construction			

Remark:We only show part of the specifications, we can also produce various sizes according to the customer's requirements

STAMPING FASTENERS SERIES

JX-DIN6796(JX-JBZQ4010) 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

Part Number Designation
JX-DIN6796 - D2 - 65MN
↓
Type and Material
Material:65MN

Part Number Designation
JX-DIN6796 - D2 - SK5
↓
Type and Material
Material:SK5

Size D	料号P/N				d1	d2	t	H max	H min	F/N	Q/kg 1000片
	65MN	Sk5	Sk7	Stainless steel							
2	JX-DIN6796-D2-65MN	JX-DIN6796-D2-SK5	JX-DIN6796-D2-SK7	JX-DIN6796-D2-SS	5	2.2	0.4	0.6	0.5	630	0.05
2.5	JX-DIN6796-D2.5-65MN	JX-DIN6796-D2.5-SK5	JX-DIN6796-D2.5-SK7	JX-DIN6796-D2.5-SS	6	2.7	0.5	0.72	0.6	950	0.09
3	JX-DIN6796-D3-65MN	JX-DIN6796-D3-SK5	JX-DIN6796-D3-SK7	JX-DIN6796-D3-SS	7	3.2	0.6	0.85	0.7	1320	0.14
3.5	JX-DIN6796-D3.5-65MN	JX-DIN6796-D3.5-SK5	JX-DIN6796-D3.5-SK7	JX-DIN6796-D3.5-SS	8	3.7	0.8	1.06	0.9	2400	0.25
4	JX-DIN6796-D4-65MN	JX-DIN6796-D4-SK5	JX-DIN6796-D4-SK7	JX-DIN6796-D4-SS	9	4.3	1	1.3	1.1	3800	0.38
5	JX-DIN6796-D5-65MN	JX-DIN6796-D5-SK5	JX-DIN6796-D5-SK7	JX-DIN6796-D5-SS	11	5.3	1.2	1.55	1.3	5500	0.68
6	JX-DIN6796-D6-65MN	JX-DIN6796-D6-SK5	JX-DIN6796-D6-SK7	JX-DIN6796-D6-SS	14	6.4	1.5	2	1.7	8600	1.42
7	JX-DIN6796-D7-65MN	JX-DIN6796-D7-SK5	JX-DIN6796-D7-SK7	JX-DIN6796-D7-SS	17	7.4	1.75	2.3	2	11300	2.51
8	JX-DIN6796-D8-65MN	JX-DIN6796-D8-SK5	JX-DIN6796-D8-SK7	JX-DIN6796-D8-SS	18	8.4	2	2.6	2.2	14900	3.10
10	JX-DIN6796-D10-65MN	JX-DIN6796-D10-SK5	JX-DIN6796-D10-SK7	JX-DIN6796-D10-SS	23	10.5	2.5	3.2	2.8	22100	5.13
12	JX-DIN6796-D12-65MN	JX-DIN6796-D12-SK5	JX-DIN6796-D12-SK7	JX-DIN6796-D12-SS	29	13	3	3.95	3.4	34100	12.35
14	JX-DIN6796-D14-65MN	JX-DIN6796-D14-SK5	JX-DIN6796-D14-SK7	JX-DIN6796-D14-SS	35	15	3.5	4.65	4	46000	21.44
16	JX-DIN6796-D16-65MN	JX-DIN6796-D16-SK5	JX-DIN6796-D16-SK7	JX-DIN6796-D16-SS	39	17	4	5.25	4.6	59700	30.19
18	JX-DIN6796-D18-65MN	JX-DIN6796-D18-SK5	JX-DIN6796-D18-SK7	JX-DIN6796-D18-SS	42	19	4.5	5.8	5.1	74400	38.68
20	JX-DIN6796-D20-65MN	JX-DIN6796-D20-SK5	JX-DIN6796-D20-SK7	JX-DIN6796-D20-SS	45	21	5	6.4	5.6	93200	48.52
22	JX-DIN6796-D22-65MN	JX-DIN6796-D22-SK5	JX-DIN6796-D22-SK7	JX-DIN6796-D22-SS	49	23	5.5	7.05	6.1	114000	63.07
24	JX-DIN6796-D24-65MN	JX-DIN6796-D24-SK5	JX-DIN6796-D24-SK7	JX-DIN6796-D24-SS	56	25	6	7.75	6.8	131000	92.30
27	JX-DIN6796-D27-65MN	JX-DIN6796-D27-SK5	JX-DIN6796-D27-SK7	JX-DIN6796-D27-SS	60	28	6.5	8.35	7.3	154000	112.13
30	JX-DIN6796-D30-65MN	JX-DIN6796-D30-SK5	JX-DIN6796-D30-SK7	JX-DIN6796-D30-SS	70	31	7	9.2	8	172000	168.92
33	JX-DIN6796-D33-65MN	JX-DIN6796-D33-SK5	JX-DIN6796-D33-SK7	JX-DIN6796-D33-SS	76	34	7.5	10	5.5	226000	213.52
36	JX-DIN6796-D36-65MN	JX-DIN6796-D36-SK5	JX-DIN6796-D36-SK7	JX-DIN6796-D36-SS	83	37.2	8	10.5	9.2	276000	271.39
42	JX-DIN6796-D42-65MN	JX-DIN6796-D42-SK5	JX-DIN6796-D42-SK7	JX-DIN6796-D42-SS	96	43.5	8.5	12	10.5	290000	383.61
48	JX-DIN6796-D48-65MN	JX-DIN6796-D48-SK5	JX-DIN6796-D48-SK7	JX-DIN6796-D48-SS	110	49.6	9	12.5	11	261000	535.18
56	JX-DIN6796-D56-65MN	JX-DIN6796-D56-SK5	JX-DIN6796-D56-SK7	JX-DIN6796-D56-SS	128	58	9.5	13.5	12	260000	762.21
64	JX-DIN6796-D64-65MN	JX-DIN6796-D64-SK5	JX-DIN6796-D64-SK7	JX-DIN6796-D64-SS	136	66	10	14	12.8	277000	871.34
72	JX-DIN6796-D72-65MN	JX-DIN6796-D72-SK5	JX-DIN6796-D72-SK7	JX-DIN6796-D72-SS	145	74	10.5	15	13	327000	1006.08
90	JX-DIN6796-D90-65MN	JX-DIN6796-D90-SK5	JX-DIN6796-D90-SK7	JX-DIN6796-D90-SS	160	92.5	11	16	14	378000	1155.31
100	JX-DIN6796-D100-65MN	JX-DIN6796-D100-SK5	JX-DIN6796-D100-SK7	JX-DIN6796-D100-SS	180	102.5	11.5	17	15	370000	1551.52
125	JX-DIN6796-D125-65MN	JX-DIN6796-D125-SK5	JX-DIN6796-D125-SK7	JX-DIN6796-D125-SS	220	128	12	19	16.5	365000	2367.49

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