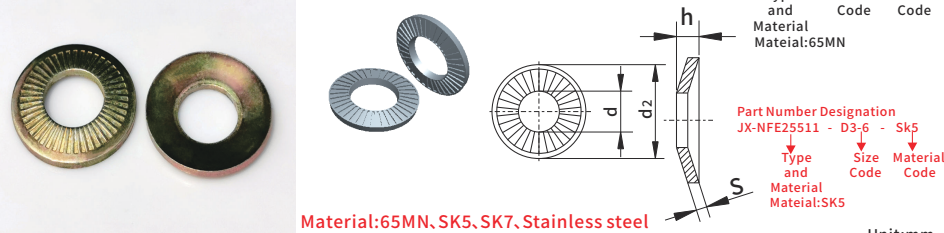


JX STAMPING FASTENERS SERIES

JX-NFE25511 NFE French washer



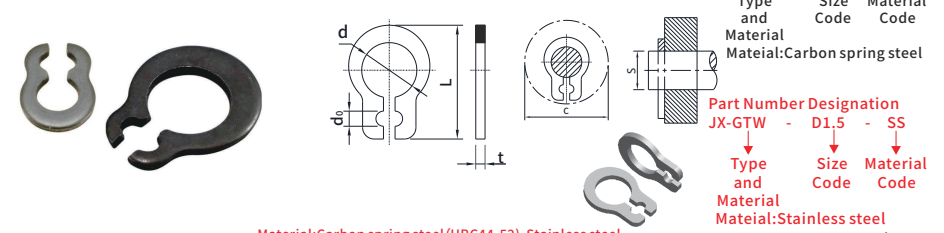
Size D	P/N				d	d ₂	s	h _{max}	h _{min}	1000 PCS [kg]
	65MN	Sk5	Sk7	Stainless steel						
3	JX-NFE25511-D3-6-65MN	JX-NFE25511-D3-6-SK5	JX-NFE25511-D3-6-SK7	JX-NFE25511-D3-6-SS	3.1	6	0.50	0.90	0.70	0.08
3	JX-NFE25511-D3-8-65MN	JX-NFE25511-D3-8-SK5	JX-NFE25511-D3-8-SK7	JX-NFE25511-D3-8-SS	3.1	8	0.60	1.00	0.80	0.20
3	JX-NFE25511-D3-10-65MN	JX-NFE25511-D3-10-SK5	JX-NFE25511-D3-10-SK7	JX-NFE25511-D3-10-SS	3.1	10	0.60	1.20	0.95	0.33
4	JX-NFE25511-D4-8-65MN	JX-NFE25511-D4-8-SK5	JX-NFE25511-D4-8-SK7	JX-NFE25511-D4-8-SS	4.1	8	0.80	1.20	1.00	0.23
4	JX-NFE25511-D4-10-65MN	JX-NFE25511-D4-10-SK5	JX-NFE25511-D4-10-SK7	JX-NFE25511-D4-10-SS	4.1	10	0.90	1.40	1.15	0.46
4	JX-NFE25511-D4-14-65MN	JX-NFE25511-D4-14-SK5	JX-NFE25511-D4-14-SK7	JX-NFE25511-D4-14-SS	4.1	14	1.00	1.80	1.40	1.10
5	JX-NFE25511-D5-10-65MN	JX-NFE25511-D5-10-SK5	JX-NFE25511-D5-10-SK7	JX-NFE25511-D5-10-SS	5.1	10	1.00	1.50	1.25	0.46
5	JX-NFE25511-D5-12-65MN	JX-NFE25511-D5-12-SK5	JX-NFE25511-D5-12-SK7	JX-NFE25511-D5-12-SS	5.1	12	1.10	1.80	1.45	0.80
5	JX-NFE25511-D5-16-65MN	JX-NFE25511-D5-16-SK5	JX-NFE25511-D5-16-SK7	JX-NFE25511-D5-16-SS	5.1	16	1.20	2.10	1.70	1.70
6	JX-NFE25511-D6-12-65MN	JX-NFE25511-D6-12-SK5	JX-NFE25511-D6-12-SK7	JX-NFE25511-D6-12-SS	6.1	12	1.20	1.85	1.55	0.79
6	JX-NFE25511-D6-14-65MN	JX-NFE25511-D6-14-SK5	JX-NFE25511-D6-14-SK7	JX-NFE25511-D6-14-SS	6.1	14	1.30	2.10	1.75	1.27
6	JX-NFE25511-D6-18-65MN	JX-NFE25511-D6-18-SK5	JX-NFE25511-D6-18-SK7	JX-NFE25511-D6-18-SS	6.1	18	1.40	2.50	2.10	2.48
8	JX-NFE25511-D8-16-65MN	JX-NFE25511-D8-16-SK5	JX-NFE25511-D8-16-SK7	JX-NFE25511-D8-16-SS	8.2	16	1.40	2.20	1.80	1.63
8	JX-NFE25511-D8-18-65MN	JX-NFE25511-D8-18-SK5	JX-NFE25511-D8-18-SK7	JX-NFE25511-D8-18-SS	8.2	18	1.40	2.35	1.90	2.22
8	JX-NFE25511-D8-22-65MN	JX-NFE25511-D8-22-SK5	JX-NFE25511-D8-22-SK7	JX-NFE25511-D8-22-SS	8.2	22	1.60	2.70	2.20	4.11
10	JX-NFE25511-D10-20-65MN	JX-NFE25511-D10-20-SK5	JX-NFE25511-D10-20-SK7	JX-NFE25511-D10-20-SS	10.2	20	1.60	2.60	2.10	2.90
10	JX-NFE25511-D10-22-65MN	JX-NFE25511-D10-22-SK5	JX-NFE25511-D10-22-SK7	JX-NFE25511-D10-22-SS	10.2	22	1.60	2.75	2.25	3.75
10	JX-NFE25511-D10-27-65MN	JX-NFE25511-D10-27-SK5	JX-NFE25511-D10-27-SK7	JX-NFE25511-D10-27-SS	10.2	27	1.80	3.10	2.60	6.90
12	JX-NFE25511-D12-24-65MN	JX-NFE25511-D12-24-SK5	JX-NFE25511-D12-24-SK7	JX-NFE25511-D12-24-SS	12.4	24	1.80	2.90	2.40	4.69
12	JX-NFE25511-D12-27-65MN	JX-NFE25511-D12-27-SK5	JX-NFE25511-D12-27-SK7	JX-NFE25511-D12-27-SS	12.4	27	1.80	3.10	2.60	6.34
12	JX-NFE25511-D12-32-65MN	JX-NFE25511-D12-32-SK5	JX-NFE25511-D12-32-SK7	JX-NFE25511-D12-32-SS	12.4	32	2.00	3.60	3.10	10.65
14	JX-NFE25511-D14-30-65MN	JX-NFE25511-D14-30-SK5	JX-NFE25511-D14-30-SK7	JX-NFE25511-D14-30-SS	14.4	30	2.40	3.70	3.20	10.18
16	JX-NFE25511-D16-32-65MN	JX-NFE25511-D16-32-SK5	JX-NFE25511-D16-32-SK7	JX-NFE25511-D16-32-SS	16.4	32	2.80	4.10	3.60	12.95
20	JX-NFE25511-D20-40-65MN	JX-NFE25511-D20-40-SK5	JX-NFE25511-D20-40-SK7	JX-NFE25511-D20-40-SS	20.5	40	3.20	4.30	4.90	23.12

JX-NFE25511 French Standard - Code CS Washer Mechanical Properties Parameter Table

Size	d ₂ nom	s nom	Bearing load	Experimental value	Tightening force
mm	mm	mm	N	mm	Nm
M3	6	0.5	2400	0.10	1.3
	8	0.6	2400	0.15	1.3
	10	0.6	2400	0.25	1.3
M4	8	0.8	4200	0.12	3.1
	10	0.9	4200	0.15	3.1
	14	1.0	4200	0.30	3.1
M5	10	1.0	6800	0.15	6.2
	12	1.1	6800	0.20	6.2
	16	1.2	6800	0.35	6.2
M6	12	1.2	9500	0.20	10.6
	14	1.3	9500	0.25	10.6
	18	1.4	9500	0.40	10.6
M8	16	1.4	17500	0.25	26
	18	1.4	17500	0.35	26
	22	1.6	17500	0.50	26
M10	20	1.6	27500	0.35	51
	22	1.6	27500	0.45	51
	27	1.8	27500	0.70	51
M12	24	1.8	40000	0.40	88
	27	1.8	40000	0.60	88
	32	2.0	40000	0.90	88
M14	30	2.4	55000	0.60	140
M16	32	2.8	75000	0.65	215
M20	40	3.2	100000	0.70	410

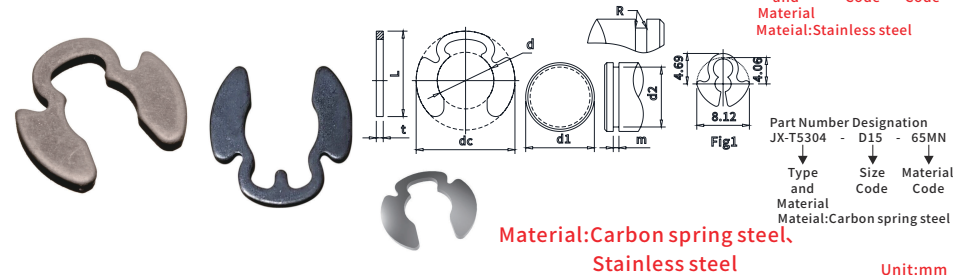
JX STAMPING FASTENERS SERIES

JX-GTW Grip Type Retaining Rings



Size D	P/N		Ring dimension						Applicable shaft		
	65Mn	Stainless steel	d	B	L	d ₀	t	C	s	Thrust Load	
1.5	JX-GTW-D1.5-65MN	JX-GTW-D1.5-SS	1.4	0.75	3.8	0.9	0.4	±0.03	5.3	1.5	1.5
2	JX-GTW-D2-65MN	JX-GTW-D2-SS	1.9	1.0	4.8	0.9	0.6	±0.025	6.4	2	2
2.5	JX-GTW-D2.5-65MN	JX-GTW-D2.5-SS	2.35	1.2	5.4	0.9	0.6	±0.04	6.8	2.5	3
3	JX-GTW-D3-65MN	JX-GTW-D3-SS	2.85	1.4	6.3	0.9	0.6	±0.04	7.7	3	4
4	JX-GTW-D4-65MN	JX-GTW-D4-SS	3.85	1.8	8.4	1.2	0.8	±0.03	10.3	4	6
5	JX-GTW-D5-65MN	JX-GTW-D5-SS	4.75	2.2	9.8	1.3	0.8	±0.08	11.4	5	8
6	JX-GTW-D6-65MN	JX-GTW-D6-SS	5.7	2.4	11.5	1.4	1	±0.05	13.5	6	10
7	JX-GTW-D7-65MN	JX-GTW-D7-SS	6.7	2.7	12.8	1.4	1	±0.05	14.8	7	12
8	JX-GTW-D8-65MN	JX-GTW-D8-SS	7.7	3	14.1	1.4	1	±0.036	15.8	8	15
9	JX-GTW-D9-65MN	JX-GTW-D9-SS	8.65	3.3	16.6	2	1.2	±0.06	19.8	9	17
10	JX-GTW-D10-65MN	JX-GTW-D10-SS	9.65	3.5	17.8	2	1.2	±0.06	20.8	10	16

JX-T5304 K K-liprings



Size D	P/N		Shaft diameter	Ring dimension				Groove Dimension				Thrust Load			
	65Mn	Stainless steel		d	t	d _c	L	d ₂	m	Tested Shaft	Ring safety	Groove safety			
15	JX-T5304-D15-65MN	JX-T5304-D15-SS	4-4.5	2.79	±0.08	0.6	Fig1	≈	≈	3.05	±0.1	0.75	4	140	40
18	JX-T5304-D18-65MN	JX-T5304-D18-SS	4.5-5.5	3.56	±0.08	0.6	10.16	9.14	3.76	±0.1	0.75	4	190	50	
25	JX-T5304-D25-65MN	JX-T5304-D25-SS	6-7	4.78	±0.10	0.9	12.24	10.92	5.33	±0.13	1.05	0.75	6.4	280	90
31	JX-T5304-D31-65MN	JX-T5304-D31-SS	7.5-8.5	6.35	±0.10	0.9	14.94	13.11	6.91	±0.15	1.05	0.75	7.9	350	110
37	JX-T5304-D37-65MN	JX-T5304-D37-SS	9-10.5	7.92	±0.10	0.9	17.27	15.09	8.41	±0.15	1.05	0.75	9.5	580	130
43	JX-T5304-D43-65MN	JX-T5304-D43-SS	11-12	9.53	±0.10	1.0	19.10	16.76	9.91	±0.15	1.15	0.75	11.1	830	180
50	JX-T5304-D50-65MN	JX-T5304-D50-SS	12-13	10.31	±0.10	1.0	20.98	18.34	11.18	±0.20	1.15	0.75	12.7	940	270
62	JX-T5304-D62-65MN	JX-T5304-D62-SS	15-17	12.7	±0.13	1.0	24.54	21.54	13.49	±0.20	1.15	0.75	15.9	1120	490
75	JX-T5304-D75-65MN	JX-T5304-D75-SS	18-20	15.09	±0.13	1.0	27.81	24.64	16.05	±0.20	1.40	0.75	19	1660	720
100	JX-T5304-D100-65MN	JX-T5304-D100-SS	24-26	20.62	±0.15	1.2	35.94	31.75	21.84	±0.25	1.40	0.75	25.4	2160	1170
125	JX-T5304-D125-65MN	JX-T5304-D125-SS	31.8	26.21	±0.15	2.36	45.72	39	27.69	±0.25	2.62	0.75	31.8	4950	1570
150	JX-T5304-D150-65MN	JX-T5304-D150-SS	38.1	31.75	±0.20	2.77	52.07	44.3	33.45	±0.38	3.05	0.75	38.1	6880	2160
175	JX-T5304-D175-65MN	JX-T5304-D175-SS	44.4	35.71	±0.25	3.20	58.42	50.7	37.59	±0.38	3.53	0.75	44.4	9220	3690
200	JX-T5304-D200-65MN	JX-T5304-D200-SS	50.8	41.28	±0.08	3.20	67.31	58.7	43.94	±0.38	3.53	0.75	50.8	10570	4250