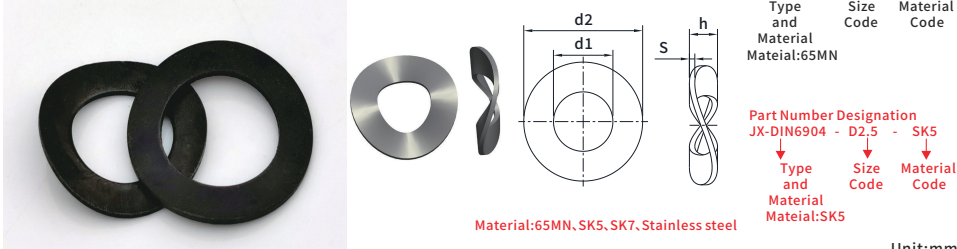


# STAMPING FASTENERS SERIES

## DIN 6904 Curved Spring Washers for Screw and Washer Assemblies

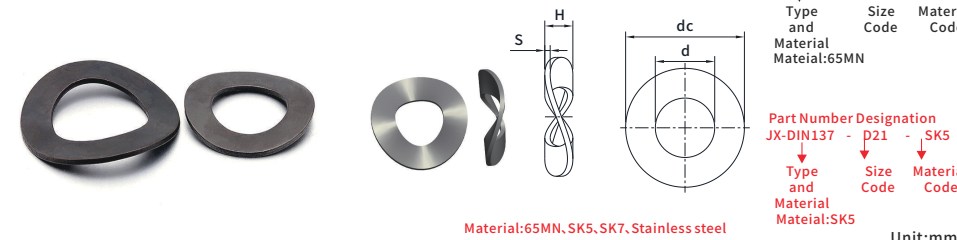


Part Number Designation  
JX-DIN6904 - D2.5 - 65MN  
↓  
Type and Material  
Material:65MN  
↓  
Size Code  
↓  
Material Code

Part Number Designation  
JX-DIN6904 - D2.5 - SK5  
↓  
Type and Material  
Material:SK5

Size D	P/N				d1		d2		S		H	
	65MN	Sk5	Sk7	Stainless steel	nom.	max.	min.	max.	min.	nom.	max.	min.
2.5	JX-DIN6904-D2.5-65MN	JX-DIN6904-D2.5-SK5	JX-DIN6904-D2.5-SK7	JX-DIN6904-D2.5-SS	2.25	2.35	2.25	7	6.78	0.5	0.55	0.45
3	JX-DIN6904-D3-65MN	JX-DIN6904-D3-SK5	JX-DIN6904-D3-SK7	JX-DIN6904-D3-SS	2.7	2.8	2.7	8	7.78	0.5	0.55	0.45
3.5	JX-DIN6904-D3.5-65MN	JX-DIN6904-D3.5-SK5	JX-DIN6904-D3.5-SK7	JX-DIN6904-D3.5-SS	3.5	3.32	3.5	8	7.78	0.5	0.55	0.45
4	JX-DIN6904-D4-65MN	JX-DIN6904-D4-SK5	JX-DIN6904-D4-SK7	JX-DIN6904-D4-SS	3.6	3.72	3.6	9	8.78	0.8	0.86	0.74
5	JX-DIN6904-D5-65MN	JX-DIN6904-D5-SK5	JX-DIN6904-D5-SK7	JX-DIN6904-D5-SS	4.55	4.67	4.55	11	10.78	0.8	0.86	0.74
6	JX-DIN6904-D6-65MN	JX-DIN6904-D6-SK5	JX-DIN6904-D6-SK7	JX-DIN6904-D6-SS	5.4	5.52	5.4	12	11.73	0.8	0.86	0.74
8	JX-DIN6904-D8-65MN	JX-DIN6904-D8-SK5	JX-DIN6904-D8-SK7	JX-DIN6904-D8-SS	7.3	7.45	7.3	15	14.73	1	1.07	0.93
10	JX-DIN6904-D10-65MN	JX-DIN6904-D10-SK5	JX-DIN6904-D10-SK7	JX-DIN6904-D10-SS	9.2	9.35	9.2	21	20.67	1	1.07	0.93

## DIN137 Wave Spring Washers



Part Number Designation  
JX-DIN137 - D21 - 65MN  
↓  
Type and Material  
Material:65MN  
↓  
Size Code  
↓  
Material Code

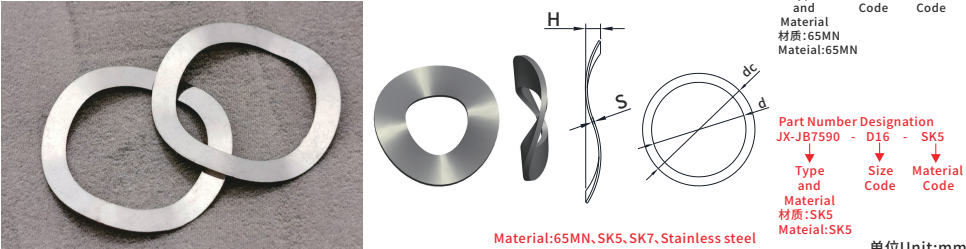
Part Number Designation  
JX-DIN137 - D21 - SK5  
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Type and Material  
Material:SK5

Size D	P/N				dc		d		H		S	wave no.
	65MN	Sk5	Sk7	Stainless steel	basic	dev.	basic	dev.	basic	dev.		
21	JX-DIN137-D21-65MN	JX-DIN137-D21-SK5	JX-DIN137-D21-SK7	JX-DIN137-D21-SS	20.5	0.310	15.6	0.260	3.0	0.250	0.3	
31	JX-DIN137-D31-65MN	JX-DIN137-D31-SK5	JX-DIN137-D31-SK7	JX-DIN137-D31-SS	31.4	0.310	26.6	0.260	3.0	0.250	0.5	3
35	JX-DIN137-D35-65MN	JX-DIN137-D35-SK5	JX-DIN137-D35-SK7	JX-DIN137-D35-SS	34.4	0.310	28.0	0.260	3.5	0.375	0.5	
40	JX-DIN137-D40-65MN	JX-DIN137-D40-SK5	JX-DIN137-D40-SK7	JX-DIN137-D40-SS	39.0	0.310	33.2	0.210	3.0	0.375	0.5	
42	JX-DIN137-D42-65MN	JX-DIN137-D42-SK5	JX-DIN137-D42-SK7	JX-DIN137-D42-SS	41.4	0.310	34.4	0.310	3.2	0.375	0.5	4
47	JX-DIN137-D47-65MN	JX-DIN137-D47-SK5	JX-DIN137-D47-SK7	JX-DIN137-D47-SS	46.2	0.310	39.0	0.310	3.5	0.375	0.5	
52	JX-DIN137-D52-65MN	JX-DIN137-D52-SK5	JX-DIN137-D52-SK7	JX-DIN137-D52-SS	50.8	0.370	41.4	0.310	3.0	0.375	0.5	
62	JX-DIN137-D62-65MN	JX-DIN137-D62-SK5	JX-DIN137-D62-SK7	JX-DIN137-D62-SS	60.8	0.370	50.8	0.370	3.8	0.375	0.6	5
72	JX-DIN137-D72-65MN	JX-DIN137-D72-SK5	JX-DIN137-D72-SK7	JX-DIN137-D72-SS	70.8	0.370	60.8	0.370	4.0	0.375	0.6	
80	JX-DIN137-D80-65MN	JX-DIN137-D80-SK5	JX-DIN137-D80-SK7	JX-DIN137-D80-SS	78.8	0.370	70.8	0.370	3.5	0.375	0.6	6
85	JX-DIN137-D85-65MN	JX-DIN137-D85-SK5	JX-DIN137-D85-SK7	JX-DIN137-D85-SS	83.8	0.435	73.8	0.370	3.8	0.375	0.6	
90	JX-DIN137-D90-65MN	JX-DIN137-D90-SK5	JX-DIN137-D90-SK7	JX-DIN137-D90-SS	88.8	0.435	78.8	0.370	4.0	0.375	0.6	
100	JX-DIN137-D100-65MN	JX-DIN137-D100-SK5	JX-DIN137-D100-SK7	JX-DIN137-D100-SS	98.8	0.435	88.8	0.435	4.2	0.375	0.6	7
110	JX-DIN137-D110-65MN	JX-DIN137-D110-SK5	JX-DIN137-D110-SK7	JX-DIN137-D110-SS	108.4	0.435	98.8	0.435	4.5	0.375	0.6	
120	JX-DIN137-D120-65MN	JX-DIN137-D120-SK5	JX-DIN137-D120-SK7	JX-DIN137-D120-SS	118.4	0.435	108.4	0.435	4.7	0.375	0.6	
125	JX-DIN137-D125-65MN	JX-DIN137-D125-SK5	JX-DIN137-D125-SK7	JX-DIN137-D125-SS	123.2	0.500	113.2	0.435	4.9	0.375	0.6	
130	JX-DIN137-D130-65MN	JX-DIN137-D130-SK5	JX-DIN137-D130-SK7	JX-DIN137-D130-SS	129.0	0.500	110.0	0.435	4.0	0.375	0.8	
140	JX-DIN137-D140-65MN	JX-DIN137-D140-SK5	JX-DIN137-D140-SK7	JX-DIN137-D140-SS	139.0	0.500	121.0	0.500	4.0	0.375	0.9	
150	JX-DIN137-D150-65MN	JX-DIN137-D150-SK5	JX-DIN137-D150-SK7	JX-DIN137-D150-SS	149.0	0.500	126.9	0.500	4.2	0.375	0.9	
160	JX-DIN137-D160-65MN	JX-DIN137-D160-SK5	JX-DIN137-D160-SK7	JX-DIN137-D160-SS	159.0	0.500	137.0	0.500	4.0	0.375	1.0	
170	JX-DIN137-D170-65MN	JX-DIN137-D170-SK5	JX-DIN137-D170-SK7	JX-DIN137-D170-SS	169.0	0.500	142.0	0.500	4.2	0.375	1.0	
180	JX-DIN137-D180-65MN	JX-DIN137-D180-SK5	JX-DIN137-D180-SK7	JX-DIN137-D180-SS	179.0	0.500	145.0	0.500	4.5	0.375	1.0	6

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

# STAMPING FASTENERS SERIES

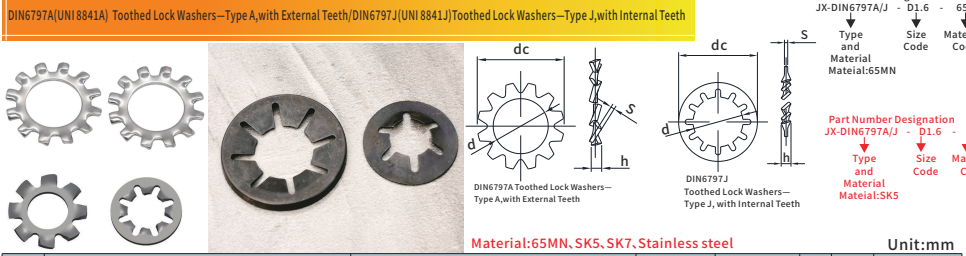
## Jb7590 Steel undee spring used in electric machines



Part Number Designation  
JX-JB7590 - D16 - 65MN  
↓  
Type and Material  
Material:65MN  
↓  
Size Code  
↓  
Material Code

Part Number Designation  
JX-JB7590 - D16 - SK5  
↓  
Type and Material  
Material:SK5

Size D	P/N				dc		d		H	S	wave no.
	65MN	Sk5	Sk7	Stainless steel	basic	dev.	basic	dev.			
16	JX-JB7590-D16-65MN	JX-JB7590-D16-SK5	JX-JB7590-D16-SK7	JX-JB7590-D16-SS	15.4	±0.40	11.74	±0.40	2.0	0.3	3
19	JX-JB7590-D19-65MN	JX-JB7590-D19-SK5	JX-JB7590-D19-SK7	JX-JB7590-D19-SS	18.6	±0.40	14.7	±0.40	2.7	0.3	3
22	JX-JB7590-D22-65MN	JX-JB7590-D22-SK5	JX-JB7590-D22-SK7	JX-JB7590-D22-SS	21.4	±0.40	15.3	±0.40	3.0	0.3	3
26	JX-JB7590-D26-65MN	JX-JB7590-D26-SK5	JX-JB7590-D26-SK7	JX-JB7590-D26-SS	25.0	±0.40	18.7	±0.40	4.0	0.3	3
28	JX-JB7590-D28-65MN	JX-JB7590-D28-SK5	JX-JB7590-D28-SK7	JX-JB7590-D28-SS	27.2	±0.40	20.8	±0.40	4.1	0.3	3
30	JX-JB7590-D30-65MN	JX-JB7590-D30-SK5	JX-JB7590-D30-SK7	JX-JB7590-D30-SS	29.0	±0.60	22.6	±0.60	3.1	0.5	3
32	JX-JB7590-D32-65MN	JX-JB7590-D32-SK5	JX-JB7590-D32-SK7	JX-JB7590-D32-SS	31.4	±0.60	26.6	±0.60	4.0	0.5	3
35	JX-JB7590-D35-65MN	JX-JB7590-D35-SK5	JX-JB7590-D35-SK7	JX-JB7590-D35-SS	34.0	±0.60	27.8	±0.60	4.3	0.5	3
40	JX-JB7590-D40-65MN	JX-JB7590-D40-SK5	JX-JB7590-D40-SK7	JX-JB7590-D40-SS	38.6	±0.60	32.8	±0.60	3.2	0.5	4
42	JX-JB7590-D42-65MN	JX-JB7590-D42-SK5	JX-JB7590-D42-SK7	JX-JB7590-D42-SS	40.6	±0.60	34.1	±0.60	3.3	0.5	4
47	JX-JB7590-D47-65MN	JX-JB7590-D47-SK5	JX-JB7590-D47-SK7	JX-JB7590-D47-SS	45.5	±0.60	38.4	±0.60	4.0	0.5	4
52	JX-JB7590-D52-65MN	JX-JB7590-D52-SK5	JX-JB7590-D52-SK7	JX-JB7590-D52-SS	50.5	±0.60	41.0	±0.60	3.2	0.5	5
62	JX-JB7590-D62-65MN	JX-JB7590-D62-SK5	JX-JB7590-D62-SK7	JX-JB7590-D62-SS	60.2	±0.60	50.2	±0.60	3.9	0.5	5
72	JX-JB7590-D72-65MN	JX-JB7590-D72-SK5	JX-JB7590-D72-SK7	JX-JB7590-D72-SS	69.1	±0.80	59.1	±0.80	5.5	0.5	5
80	JX-JB7590-D80-65MN	JX-JB7590-D80-SK5	JX-JB7590-D80-SK7	JX-JB7590-D80-SS	78.0	±0.80	70.0	±0.80	3.9	0.6	6
85	JX-JB7590-D85-65MN	JX-JB7590-D85-SK5	JX-JB7590-D85-SK7	JX-JB7590-D85-SS	83.1	±0.80	73.1	±0.80	4.0	0.6	6
90	JX-JB7590-D90-65MN	JX-JB7590-D90-SK5	JX-JB7590-D90-SK7	JX-JB7590-D90-SS	87.6	±0.80	78.1	±0.80	4.5	0.6	6
100	JX-JB7590-D100-65MN	JX-JB7590-D100-SK5	JX-JB7590-D100-SK7	JX-JB7590-D100-SS	97.0	±0.80	87.5	±0.80	5.6	0.6	6



Part Number Designation  
JX-DIN6797A/J - D16 - 65MN  
↓  
Type and Material  
Material:65MN  
↓  
Size Code  
↓  
Material Code

Part Number Designation  
JX-DIN6797A/J - D16 - SK5  
↓  
Type and Material  
Material:SK5

Size D	DIN6797A P/N				DIN6797J P/N				s	Teeth	Unit:mm	
	65MN	Sk5	Sk7	Stainless steel	min.	max.	max.	min.			A	J
1.6	JX-DIN6797A-D1.6-65MN	JX-DIN6797A-D1.6-SK5	JX-DIN6797J-D1.6-SK7	JX-DIN6797J-D1.6-SS	1.7	1.84	3.6	3.3	0.3	6	0.01	-
2	JX-DIN6797A-D2-65MN	JX-DIN6797A-D2-SK5	JX-DIN6797J-D2-SK7	JX-DIN6797J-D2-SS	2.2	2.34	4.5	4.2	0.3	6	0.025	0.04
2.5	JX-DIN6797A-D2.5-65MN	JX-DIN6797A-D2.5-SK5	JX-DIN6797J-D2.5-SK7	JX-DIN6797J-D2.5-SS	2.7	2.84	5.5	5.2	0.4	6	0.04	0.045
3	JX-DIN6797A-D3-65MN	JX-DIN6797A-D3-SK5	JX-DIN6797J-D3-SK7	JX-DIN6797J-D3-SS	3.2	3.38	6	5.7	0.4	6	0.045	0.045
3.5	JX-DIN6797A-D3.5-65MN	JX-DIN6797A-D3.5-SK5	JX-DIN6797J-D3.5-SK7	JX-DIN6797J-D3.5-SS	3.7	3.88	7	6.64	0.5	6	0.075	0.85
4	JX-DIN6797A-D4-65MN	JX-DIN6797A-D4-SK5	JX-DIN6797J-D4-SK7	JX-DIN6797J-D4-SS	4.3	4.48	8	7.64	0.5	6	0.095	0.1
5	JX-DIN6797A-D5-65MN	JX-DIN6797A-D5-SK5	JX-DIN6797J-D5-SK7	JX-DIN6797J-D5-SS	5.3	5.48	10	9.64	0.6	8	0.18	0.2
6	JX-DIN6797A-D6-65MN	JX-DIN6797A-D6-SK5	JX-DIN6797J-D6-SK7	JX-DIN6797J-D6-SS	6.4	6.62	11	10.57	0.7	8	0.22	0.25
7	JX-DIN6797A-D7-65MN	JX-DIN6797A-D7-SK5	JX-DIN6797J-D7-SK7	JX-DIN6797J-D7-SS	7.4	7.62	12.5	12.07	0.8	8	0.3	0.35
8	JX-DIN6797A-D8-65MN	JX-DIN6797A-D8-SK5	JX-DIN6797J-D8-SK7	JX-DIN6797J-D8-SS	8.4	8.62	15	14.57	0.8	8	0.45	0.55
10	JX-DIN6797A-D10-65MN	JX-DIN6797A-D10-SK5	JX-DIN6797J-D10-SK7	JX-DIN6797J-D10-SS	10.5	10.77	18	17.57	0.9	9	0.8	0.9
12	JX-DIN6797A-D12-65MN	JX-DIN6797A-D12-SK5	JX-DIN6797J-D12-SK7	JX-DIN6797J-D12-SS	13	13.27	20.5	19.98	1	10	1.0	1.2
14	JX-DIN6797A-D14-65MN	JX-DIN6797A-D14-SK5	JX-DIN6797J-D14-SK7	JX-DIN6797J-D14-SS	15	15.27	24	23.48	1	10	1.6	1.9
16	JX-DIN6797A-D16-65MN	JX-DIN6797A-D16-SK5	JX-DIN6797J-D16-SK7	JX-DIN6797J-D16-SS	17	17.27	26	25.48	1.2	12	2.0	2.4

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

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