



Material: Carbon Spring Steel

Finish: Phosphating or as per requirements

Hardness: 46 – 54 HRC

Groove Dia, d1 Nominal Size	Shaft Dia Range, d1		Circlip				Groove				
			s		a		d2		m*		n min
	From	To	Size	Tolerance	Size	Tolerance	Size	Tolerance	Size	Tolerance	
0.8	1	1.4	0.2	±0.02	0.58	±0.04	0.8	0 -0.06	0.24	+0.04 0	0.4
1.2	1.4	2	0.3		1.01		1.2		0.34		0.6
1.5	2	2.5	0.4		1.28		1.5		0.44		0.8
1.9	2.5	3	0.5	1.61	1.9		0.54		+0.05 0	1	
2.3	3	4	0.6	1.94	2.3		0.64			1	
3.2	4	5	0.7	2.70	3.2		0.64			1	
4	5	7	0.7	3.34	4	0.74	1.2				
5	6	8	0.7	4.11	5	0.74	1.2				
6	7	9	0.7	5.26	6	0.74	1.2				
7	8	11	0.9	5.84	7	0.94	1.5				
8	9	12	1	6.52	8	1.05	0 -0.09	1.8			
9	10	14	1.1	7.63	9	1.15		2			
10	11	15	1.2	8.32	10	1.25		2			
12	13	18	1.3	10.45	12	1.35		2.5			
15	16	24	1.5	12.61	15	1.55		+0.08 0	3		
19	20	31	1.75	15.92	19	1.80			3.5		
24	25	38	2	21.88	24	2.05	4				
30	32	42	2.5	25.88	30	2.55	4.5				