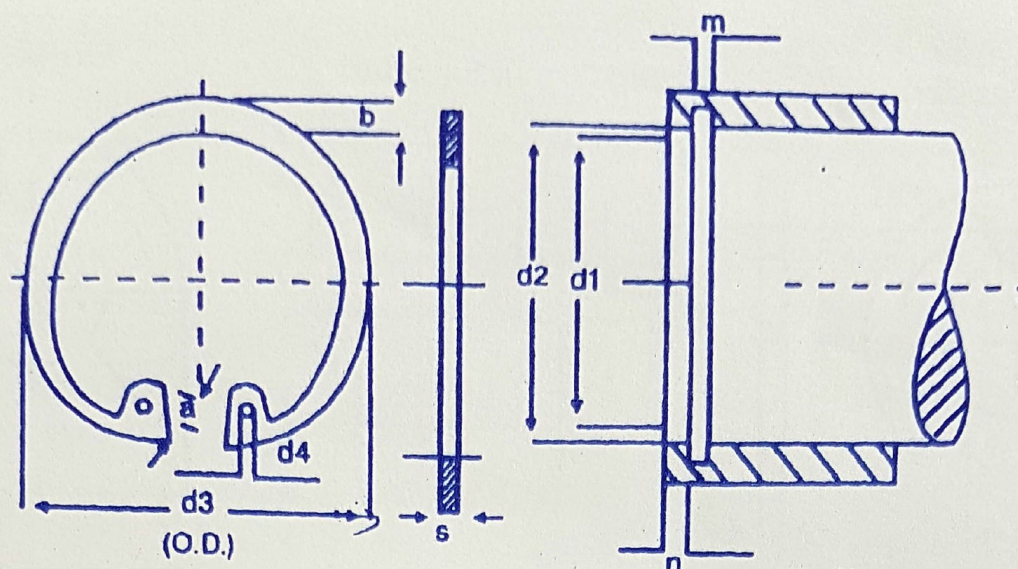


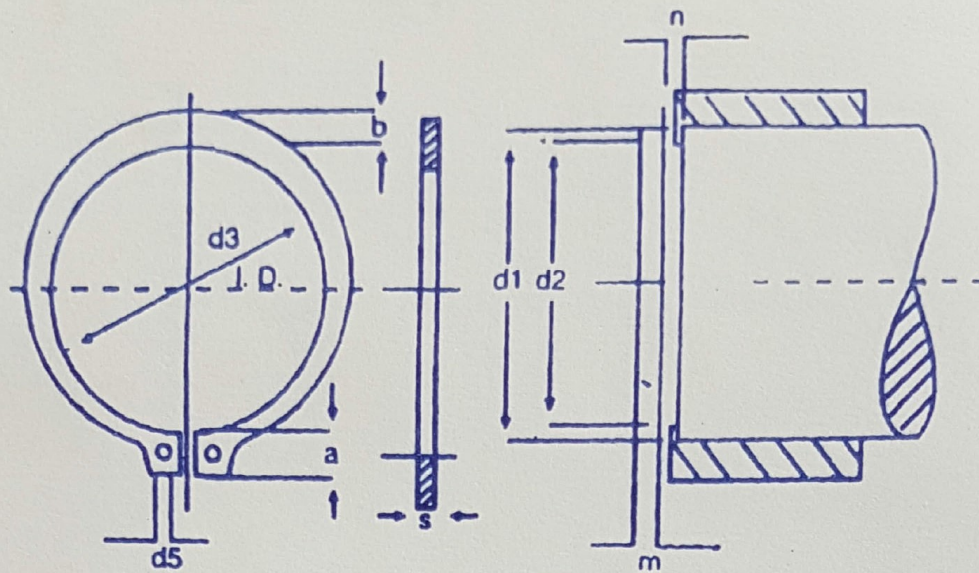
INTERNAL CIRCLIPS DIN - 472 - IS - 3075



(All dimensions are in millimeters)

Size mm d1	Thickness mm s	O.D. mm d3	Size mm d1	Thickness mm s	O.D. mm d3
8	0.8	8.70	52	2.00	56.20
9	0.8	9.80	55	2.00	59.20
10	1.0	10.80	58	2.00	62.20
11	1.0	11.80	60	2.00	64.20
12	1.0	13.00	62	2.00	66.20
13	1.0	14.10	65	2.50	69.20
14	1.0	15.10	68	2.50	72.50
15	1.0	16.20	70	2.50	74.50
16	1.0	17.30	72	2.50	76.50
17	1.0	18.30	75	2.50	79.50
18	1.0	19.50	78	2.50	82.50
19	1.0	20.50	80	2.50	85.50
20	1.0	21.50	82	2.50	87.50
21	1.0	22.50	85	3.00	90.50
22	1.0	23.50	90	3.00	95.50
24	1.2	25.90	95	3.00	100.50
25	1.2	26.90	100	3.00	106.00
26	1.2	27.90	105	4.00	112.50
28	1.2	30.10	110	4.00	117.00
30	1.2	32.10	115	4.00	122.00
32	1.2	34.40	120	4.00	127.00
34	1.5	36.50	125	4.00	132.00
35	1.5	37.80	130	4.00	137.00
36	1.5	38.80	135	4.00	142.00
38	1.5	40.80	140	4.00	147.00
40	1.75	43.50	145	4.00	152.00
42	1.75	45.50	150	4.00	158.00
45	1.75	48.50	160	4.00	169.00
47	1.75	50.50	170	4.00	179.00
48	1.75	51.50	180	4.00	189.00
50	2.00	54.20	190	4.00	199.00
			200	4.00	209.50

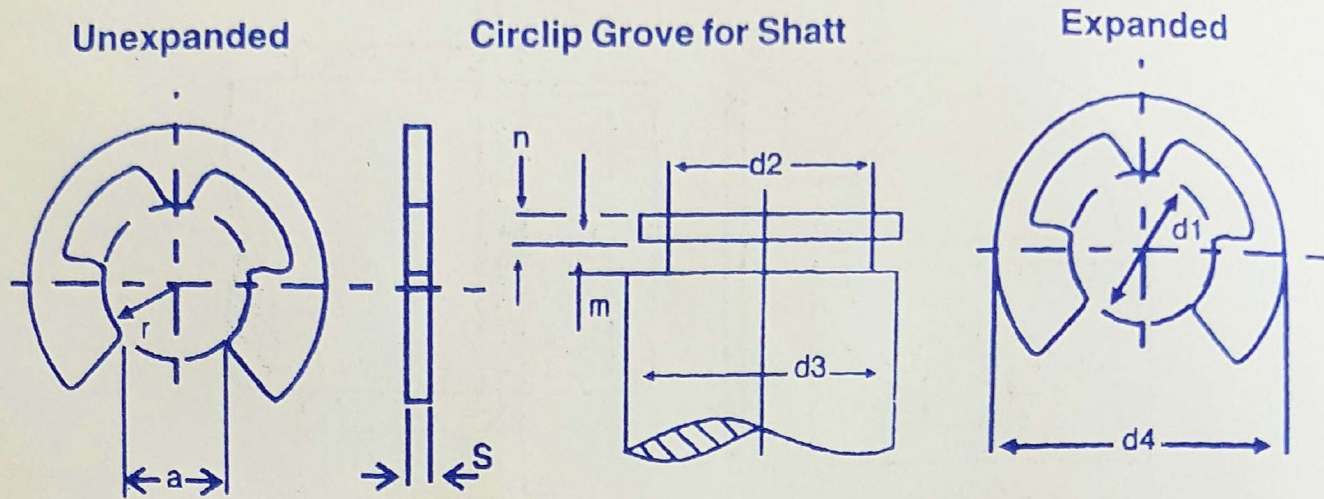
EXTERNAL CIRCLIPS DIN - 471 - IS - 3075



(All dimensions are in millimeters)

Size mm d1	Thickness mm s	I.D. mm d3	Size mm d1	Thickness mm s	I.D. mm d3
4	0.4	3.7	48	1.75	44.5
5	0.6	4.7	50	2.00	45.8
6	0.7	5.6	52	2.00	47.8
7	0.8	6.5	55	2.00	50.8
8	0.8	7.4	58	2.00	53.8
9	1.0	8.4	60	2.00	55.8
10	1.0	9.3	62	2.00	57.8
11	1.0	10.2	65	2.50	60.8
12	1.0	11.0	68	2.50	63.5
13	1.0	11.9	70	2.50	65.5
14	1.0	12.9	72	2.50	67.5
15	1.0	13.8	75	2.50	70.5
16	1.0	14.7	78	2.50	73.5
17	1.0	15.7	80	2.50	74.5
18	1.2	16.5	82	2.50	76.5
19	1.2	17.5	85	3.00	79.5
20	1.2	18.5	90	3.00	84.5
21	1.2	19.5	95	3.00	89.5
22	1.2	20.5	100	3.00	94.5
24	1.2	22.5	105	4.00	98.0
25	1.2	23.2	110	4.00	103.0
26	1.2	24.9	115	4.00	108.0
28	1.5	25.9	120	4.00	113.0
30	1.5	27.9	125	4.00	118.0
32	1.5	29.6	130	4.00	123.0
34	1.5	31.4	135	4.00	128.0
35	1.5	32.2	140	4.00	134.0
36	1.75	33.2	145	4.00	138.0
38	1.75	35.2	150	4.00	142.0
40	1.75	36.5	160	4.00	151.0
42	1.75	38.5	170	4.00	160.0
45	1.75	41.5	180	4.00	170.0
47	1.75	43.5	190	4.00	180.5
			200	4.00	190.5

E CLIP DIN - 6799



	Retaining Ring				Shaft Dia		Shaft Groove					
Nom Shaft Groove Dia d1	External Dia Expanded d4	"a" H10	Thickness		d3		Dia d2 H 11	m	Tol.	n min		
			'S'	Tol	From	To						
0.8	2.0	0.58	0.2	±0.02	1.0	1.4	0.8	0.24	±0.02	0.4		
1.2	3.0	1.01	0.3		1.4	2.0	1.2	0.34		0.6		
1.5	4.0	1.28	0.4		2.0	2.5	1.5	0.44	±0.03	0.8		
1.9	4.5	1.61	0.5		2.5	3.0	1.9	0.54		1.0		
2.3	6.0	1.94	0.6		3.0	4.0	2.3					
3.2	7.0	2.70			4.0	5.0	3.2	0.64				
4.0	9.0	3.34	0.7		5.0	7.0	4.0			1.2		
5.0	11.0	4.11			6.0	8.0	5.0	0.74				
6.0	12.0	5.26			7.0	9.0	6.0					
7.0	14.0	5.84	0.9	±0.03	8.0	11.0	7.0	0.94	±0.06	1.5		
8.0	16.0	6.52	1.0		9.0	12.0	8.0	1.05		1.8		
9.0	18.5	7.63	1.1		10.0	14.0	9.0	1.15		2.0		
10.0	20.0	8.32	1.2		11.0	15.0	10.0	1.25				
12.0	23.0	10.45	1.3		13.0	18.0	12.0	1.35		2.5		
15.0	29.0	12.61	1.5		16.0	24.0	15.0	1.55	3.0			
19.0	37.0	15.92	1.75		20.0	31.0	19.0	1.80	3.5			
24.0	44.0	21.88	2.0		25.0	38.0	24.0	2.05	4.0			