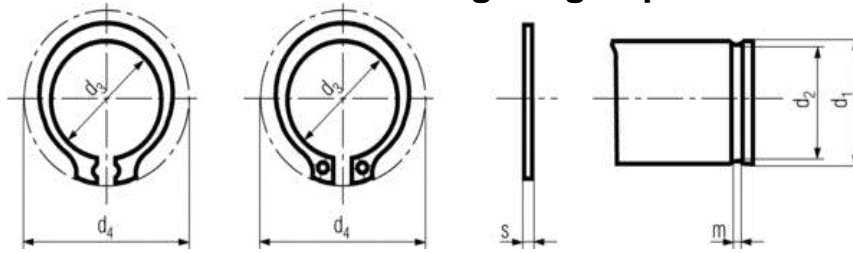


## DIN 471 - External Retaining Rings Specifications



\*All measurements in millimeters (mm)\*

d <sub>1</sub>	s	d <sub>3</sub>
M3	0.4	2.7
M4	0.4	3.7
M5	0.6	4.7
M6	0.7	5.6
M7	0.8	6.5
M8	0.8	7.4
M9	1	8.4
M10	1	9.3
M11	1	10.2
M12	1	11
M13	1	11.9
M14	1	12.9
M15	1	13.8
M16	1	14.7
M17	1	15.7
M18	1.2	16.5
M19	1.2	17.5
M20	1.2	18.5
M21	1.2	19.5
M22	1.2	20.5
M23	1.2	21.4
M24	1.2	22.2
M25	1.2	23.2
M26	1.2	24.2
M27	1.2	25.1
M28	1.5	25.9
M29	1.5	26.9
M30	1.5	27.9
M31	1.5	28.7
M32	1.5	29.6
M33	1.5	30.5
M34	1.5	31.5
M35	1.5	32.2
M36	1.75	33.2
M37	1.75	34.2
M38	1.75	35.2
M39	1.75	35.8

d <sub>1</sub>	s	d <sub>3</sub>
M40	1.75	36.5
M41	1.75	37.5
M42	1.75	38.5
M44	1.75	40.5
M45	1.75	41.5
M46	1.75	42.5
M47	1.75	43.5
M48	1.75	44.5
M50	2	45.8
M52	2	47.8
M54	2	49.8
M55	2	50.8
M56	2	51.8
M57	2	52.8
M58	2	53.8
M60	2	55.8
M62	2	57.8
M63	2	58.8
M65	2.5	60.8
M67	2.5	62.6
M68	2.5	63.5
M70	2.5	65.5
M72	2.5	67.5
M75	2.5	70.5
M77	2.5	72.5
M78	2.5	73.5
M80	2.5	74.5
M82	2.5	76.5
M85	3	79.5
M87	3	81.5
M88	3	82.5
M90	3	84.5
M92	3	84.5
M95	3	89.5
M97	3	89.5
M98	3	89.5
M100	3	94.5

d <sub>1</sub>	s	d <sub>3</sub>
M102	3	94.5
M105	4	98
M107	4	98
M108	4	98
M110	4	103
M112	4	103
M115	4	108
M117	4	108
M118	4	108
M120	4	113
M122	4	113
M125	4	118
M127	4	118
M128	4	118
M130	4	123
M132	4	123
M135	4	128
M137	4	128
M138	4	128
M140	4	133
M142	4	133
M145	4	138
M147	4	138
M148	4	138
M150	4	142
M152	4	142
M155	4	146
M157	4	146
M158	4	146
M160	4	151
M162	4	151

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