

DIN 3771 O-Ring Sizes

The German Institute for Standardisation DIN 3771 is a Metric standard that defines o-ring dimensions by internal diameter and cross section.

DIN3771 Size	ID (mm)	ID Tol' (+/- mm)	CS (mm)	CS Tol' (mm)	ID (inch)	ID Tol' (+/- inch)	ID Tol' (+/- inch)	CS Tol' (inch)
DIN3771 1.8x1.8	1.8	0.13	1.8	0.08	0.071	0.005	0.071	0.003
DIN3771 2x1.8	2				0.079			
DIN3771 2.24x1.8	2.24				0.088			
DIN3771 2.5x1.8	2.5				0.098			
DIN3771 2.8x1.8	2.8	0.14			0.110	0.006		
DIN3771 3.15x1.8	3.15				0.124			
DIN3771 3.55x1.8	3.55				0.140			
DIN3771 4x1.8	4				0.157			
DIN3771 4.5x1.8	4.5	0.15			0.177	0.006		
DIN3771 4.75x1.8	4.75				0.187			
DIN3771 4.87x1.8	4.87				0.192			
DIN3771 5x1.8	5				0.197			
DIN3771 5.15x1.8	5.15	0.15			0.203	0.006		
DIN3771 5.3x1.8	5.3				0.209			
DIN3771 5.6x1.8	5.6				0.220			
DIN3771 6x1.8	6				0.236			
DIN3771 6.3x1.8	6.3	0.16			0.248	0.007		
DIN3771 6.7x1.8	6.7				0.264			
DIN3771 6.9x1.8	6.9				0.272			
DIN3771 7.1x1.8	7.1				0.280			
DIN3771 7.5x1.8	7.5	0.16	0.295	0.007				
DIN3771 8x1.8	8		0.315					
DIN3771 8.5x1.8	8.5		0.335					
DIN3771 8.75x1.8	8.75		0.344					
DIN3771 9x1.8	9	0.17	0.354	0.007				
DIN3771 9.5x1.8	9.5		0.374					
DIN3771 9.75x1.8	9.75		0.384					
DIN3771 10x1.8	10		0.394					
DIN3771 10.6x1.8	10.6	0.18	0.417	0.007				
DIN3771 11.2x1.8	11.2		0.441					
DIN3771 11.6x1.8	11.6		0.457					
DIN3771 11.8x1.8	11.8		0.465					
DIN3771 12.1x1.8	12.1	0.19	0.476	0.008				
DIN3771 12.5x1.8	12.5		0.492					
DIN3771 12.8x1.8	12.8		0.504					
DIN3771 13.2x1.8	13.2		0.520					
DIN3771 14x1.8	14	0.2	0.551	0.008				
DIN3771 15x1.8	15		0.591					

DIN3771 16x1.8	16				0.630			
DIN3771 17x1.8	17	0.21			0.669			
DIN3771 14x2.65	14	0.19			0.551	0.007		
DIN3771 14.5x2.65	14.5				0.571			
DIN3771 15x2.65	15	0.2			0.591			
DIN3771 15.5x2.65	15.5				0.610	0.008		
DIN3771 16x2.65	16				0.630			
DIN3771 17x2.65	17	0.21			0.669			
DIN3771 18x2.65	18				0.709			
DIN3771 19x2.65	19				0.748			
DIN3771 20x2.65	20	0.22			0.787			
DIN3771 20.6x2.65	20.6				0.811	0.009		
DIN3771 21.2x2.65	21.2	0.23			0.835			
DIN3771 22.4x2.65	22.4	0.24			0.882			
DIN3771 23.6x2.65	23.6				0.929			
DIN3771 24.3x2.65	24.3	0.25	2.65	0.09	0.957			
DIN3771 25x2.65	25				0.984	0.010	0.104	0.004
DIN3771 25.8x2.65	25.8	0.26			1.016			
DIN3771 26.5x2.65	26.5				1.043			
DIN3771 27.3x2.65	27.3	0.27			1.075			
DIN3771 28x2.65	28	0.28			1.102	0.011		
DIN3771 30x2.65	30	0.29			1.181			
DIN3771 31.5x2.65	31.5	0.31			1.240	0.012		
DIN3771 32.5x2.65	32.5	0.32			1.280			
DIN3771 33.5x2.65	33.5				1.319	0.013		
DIN3771 34.5x2.65	34.5	0.33			1.358			
DIN3771 35.5x2.65	35.5	0.34			1.398			
DIN3771 36.5x2.65	36.5	0.35			1.437	0.014		
DIN3771 37.5x2.65	37.5	0.36			1.476			
DIN3771 38.7x2.65	38.7	0.37			1.524	0.015		
DIN3771 18x3.55	18	0.21			0.709	0.008		
DIN3771 19x3.55	19				0.748			
DIN3771 20x3.55	20	0.22			0.787			
DIN3771 20.6x3.55	20.6				0.811	0.009		
DIN3771 21.2x3.55	21.2	0.23			0.835			
DIN3771 22.4x3.55	22.4	0.24			0.882			
DIN3771 23.6x3.55	23.6				0.929			
DIN3771 24.3x3.55	24.3	0.25	3.55	0.1	0.957			
DIN3771 25x3.55	25				0.984	0.010	0.140	0.004
DIN3771 25.8x3.55	25.8	0.26			1.016			
DIN3771 26.5x3.55	26.5				1.043			
DIN3771 27.3x3.55	27.3	0.27			1.075			
DIN3771 28x3.55	28	0.28			1.102	0.011		
DIN3771 30x3.55	30	0.29			1.181			
DIN3771 31.5x3.55	31.5	0.31			1.240	0.012		
DIN3771 32.5x3.55	32.5	0.32			1.280			
DIN3771 33.5x3.55	33.5				1.319	0.013		

DIN3771 34.5x3.55	34.5	0.33			1.358		
DIN3771 35.5x3.55	35.5	0.34			1.398		
DIN3771 36.5x3.55	36.5	0.35			1.437	0.014	
DIN3771 37.5x3.55	37.5	0.36			1.476		
DIN3771 38.7x3.55	38.7	0.37			1.524		
DIN3771 40x3.55	40	0.38			1.575	0.015	
DIN3771 41.2x3.55	41.2	0.39			1.622		
DIN3771 42.5x3.55	42.5	0.4			1.673	0.016	
DIN3771 43.7x3.55	43.7	0.41			1.720		
DIN3771 45x3.55	45	0.42			1.772		
DIN3771 46.2x3.55	46.2	0.43			1.819	0.017	
DIN3771 47.5x3.55	47.5	0.44			1.870		
DIN3771 48.7x3.55	48.7	0.45			1.917	0.018	
DIN3771 50x3.55	50	0.46			1.969		
DIN3771 51.5x3.55	51.5	0.47			2.028		
DIN3771 53x3.55	53	0.48			2.087	0.019	
DIN3771 54.5x3.55	54.5	0.49			2.146		
DIN3771 56x3.55	56	0.51			2.205	0.020	
DIN3771 58x3.55	58	0.52			2.283		
DIN3771 60x3.55	60	0.54			2.362	0.021	
DIN3771 61.5x3.55	61.5	0.55			2.421	0.022	
DIN3771 63x3.55	63	0.56			2.480		
DIN3771 65x3.55	65	0.58			2.559	0.023	
DIN3771 67x3.55	67	0.59			2.638		
DIN3771 69x3.55	69	0.61			2.717	0.024	
DIN3771 71x3.55	71	0.63			2.795	0.025	
DIN3771 73x3.55	73	0.64			2.874		
DIN3771 75x3.55	75	0.66			2.953	0.026	
DIN3771 77.5x3.55	77.5	0.67			3.051		
DIN3771 80x3.55	80	0.69			3.150	0.027	
DIN3771 82.5x3.55	82.5	0.71			3.248	0.028	
DIN3771 85x3.55	85	0.73			3.346	0.029	
DIN3771 87.5x3.55	87.5	0.75			3.445	0.030	
DIN3771 90x3.55	90	0.77			3.543		
DIN3771 92.5x3.55	92.5	0.79			3.642	0.031	
DIN3771 95x3.55	95	0.81			3.740	0.032	
DIN3771 97.5x3.55	97.5	0.83			3.839	0.033	
DIN3771 100x3.55	100	0.84			3.937		
DIN3771 103x3.55	103	0.87			4.055	0.034	
DIN3771 106x3.55	106	0.89			4.173	0.035	
DIN3771 109x3.55	109	0.91			4.291	0.036	
DIN3771 112x3.55	112	0.93			4.409	0.037	
DIN3771 115x3.55	115	0.95			4.528		
DIN3771 118x3.55	118	0.97			4.646	0.038	
DIN3771 122x3.55	122	1			4.803	0.039	
DIN3771 125x3.55	125	1.03			4.921	0.041	
DIN3771 128x3.55	128	1.05			5.039		

DIN3771 132x3.55	132	1.08			5.197	0.043		
DIN3771 136x3.55	136	1.1			5.354			
DIN3771 140x3.55	140	1.13			5.512	0.044		
DIN3771 145x3.55	145	1.17			5.709	0.046		
DIN3771 147.5x3.55	147.5	1.19			5.807	0.047		
DIN3771 150x3.55	150	1.2			5.906			
DIN3771 152.5x3.55	152.5	1.22			6.004	0.048		
DIN3771 155x3.55	155	1.24			6.102	0.049		
DIN3771 157.5x3.55	157.5	1.26			6.201	0.050		
DIN3771 160x3.55	160	1.27			6.299			
DIN3771 162.5x3.55	162.5	1.29			6.398	0.051		
DIN3771 165x3.55	165	1.31			6.496	0.052		
DIN3771 167.5x3.55	167.5	1.33			6.594			
DIN3771 170x3.55	170	1.34			6.693	0.053		
DIN3771 172.5x3.55	172.5	1.36			6.791	0.054		
DIN3771 175x3.55	175	1.38			6.890			
DIN3771 177.5x3.55	177.5	1.4			6.988	0.055		
DIN3771 180x3.55	180	1.41			7.087	0.056		
DIN3771 182.5x3.55	182.5	1.43			7.185			
DIN3771 185x3.55	185	1.44			7.283	0.057		
DIN3771 187.5x3.55	187.5	1.46			7.382			
DIN3771 190x3.55	190	1.48			7.480	0.058		
DIN3771 195x3.55	195	1.51			7.677	0.059		
DIN3771 200x3.55	200	1.55			7.874	0.061		
DIN3771 40x5.3	40	0.38			1.575	0.015		
DIN3771 41.2x5.3	41.2	0.39			1.622			
DIN3771 42.5x5.3	42.5	0.4			1.673	0.016		
DIN3771 43.7x5.3	43.7	0.41			1.720			
DIN3771 45x5.3	45	0.42			1.772	0.017		
DIN3771 46.2x5.3	46.2	0.43			1.819			
DIN3771 47.5x5.3	47.5	0.44			1.870	0.018		
DIN3771 48.7x5.3	48.7	0.45			1.917			
DIN3771 50x5.3	50	0.46			1.969	0.019		
DIN3771 51.5x5.3	51.5	0.47			2.028			
DIN3771 53x5.3	53	0.48			2.087	0.020		
DIN3771 54.5x5.3	54.5	0.49	5.3	0.13	2.146		0.209	0.005
DIN3771 56x5.3	56	0.51			2.205	0.021		
DIN3771 58x5.3	58	0.52			2.283			
DIN3771 60x5.3	60	0.54			2.362	0.022		
DIN3771 61.5x5.3	61.5	0.55			2.421			
DIN3771 63x5.3	63	0.56			2.480	0.023		
DIN3771 65x5.3	65	0.58			2.559			
DIN3771 67x5.3	67	0.59			2.638	0.024		
DIN3771 69x5.3	69	0.61			2.717			
DIN3771 71x5.3	71	0.63			2.795	0.025		
DIN3771 73x5.3	73	0.64			2.874			
DIN3771 75x5.3	75	0.66			2.953	0.026		

DIN3771 77.5x5.3	77.5	0.67			3.051		
DIN3771 80x5.3	80	0.69			3.150	0.027	
DIN3771 82.5x5.3	82.5	0.71			3.248	0.028	
DIN3771 85x5.3	85	0.73			3.346	0.029	
DIN3771 87.5x5.3	87.5	0.75			3.445	0.030	
DIN3771 90x5.3	90	0.77			3.543		
DIN3771 92.5x5.3	92.5	0.79			3.642	0.031	
DIN3771 95x5.3	95	0.81			3.740	0.032	
DIN3771 97.5x5.3	97.5	0.83			3.839	0.033	
DIN3771 100x5.3	100	0.84			3.937		
DIN3771 103x5.3	103	0.87			4.055	0.034	
DIN3771 106x5.3	106	0.89			4.173	0.035	
DIN3771 109x5.3	109	0.91			4.291	0.036	
DIN3771 112x5.3	112	0.93			4.409	0.037	
DIN3771 115x5.3	115	0.95			4.528		
DIN3771 118x5.3	118	0.97			4.646	0.038	
DIN3771 122x5.3	122	1			4.803	0.039	
DIN3771 125x5.3	125	1.03			4.921	0.041	
DIN3771 128x5.3	128	1.05			5.039		
DIN3771 132x5.3	132	1.08			5.197	0.043	
DIN3771 136x5.3	136	1.1			5.354		
DIN3771 140x5.3	140	1.13			5.512	0.044	
DIN3771 145x5.3	145	1.17			5.709	0.046	
DIN3771 147.5x5.3	147.5	1.19			5.807	0.047	
DIN3771 150x5.3	150	1.2			5.906		
DIN3771 155x5.3	155	1.24			6.102	0.049	
DIN3771 157.5x5.3	157.5	1.26			6.201	0.050	
DIN3771 160x5.3	160	1.27			6.299		
DIN3771 165x5.3	165	1.31			6.496	0.052	
DIN3771 170x5.3	170	1.34			6.693	0.053	
DIN3771 175x5.3	175	1.38			6.890	0.054	
DIN3771 180x5.3	180	1.41			7.087	0.056	
DIN3771 182.5x5.3	182.5	1.43			7.185		
DIN3771 185x5.3	185	1.44			7.283	0.057	
DIN3771 187.5x5.3	187.5	1.46			7.382		
DIN3771 190x5.3	190	1.48			7.480	0.058	
DIN3771 195x5.3	195	1.51			7.677	0.059	
DIN3771 200x5.3	200	1.55			7.874	0.061	
DIN3771 206x5.3	206	1.59			8.110	0.063	
DIN3771 212x5.3	212	1.63			8.346	0.064	
DIN3771 218x5.3	218	1.67			8.583	0.066	
DIN3771 224x5.3	224	1.71			8.819	0.067	
DIN3771 227x5.3	227	1.73			8.937	0.068	
DIN3771 230x5.3	230	1.75			9.055	0.069	
DIN3771 236x5.3	236	1.79			9.291	0.070	
DIN3771 239x5.3	239	1.81			9.409	0.071	
DIN3771 243x5.3	243	1.83			9.567	0.072	

DIN3771 250x5.3	250	1.88			9.843	0.074				
DIN3771 254x5.3	254	1.91			10.000	0.075				
DIN3771 258x5.3	258	1.93			10.157	0.076				
DIN3771 261x5.3	261	1.96			10.276	0.077				
DIN3771 265x5.3	265	1.98			10.433	0.078				
DIN3771 268x5.3	268	2			10.551	0.079				
DIN3771 272x5.3	272	2.02			10.709	0.080				
DIN3771 276x5.3	276	2.5			10.866	0.098				
DIN3771 280x5.3	280	2.08			11.024	0.082				
DIN3771 283x5.3	283	2.1			11.142	0.083				
DIN3771 286x5.3	286	2.12			11.260					
DIN3771 290x5.3	290	2.14			11.417	0.084				
DIN3771 295x5.3	295	2.18			11.614	0.086				
DIN3771 300x5.3	300	2.21			11.811	0.087				
DIN3771 303x5.3	303	2.23			11.929	0.088				
DIN3771 307x5.3	307	2.25			12.087	0.089				
DIN3771 311x5.3	311	2.28			12.244	0.090				
DIN3771 315x5.3	315	2.3			12.402	0.091				
DIN3771 320x5.3	320	2.34			12.598	0.092				
DIN3771 325x5.3	325	2.37			12.795	0.093				
DIN3771 330x5.3	330	2.4			12.992	0.094				
DIN3771 335x5.3	335	2.43			13.189	0.096				
DIN3771 340x5.3	340	2.46			13.386	0.097				
DIN3771 345x5.3	345	2.49			13.583	0.098				
DIN3771 350x5.3	350	2.53			13.780	0.100				
DIN3771 355x5.3	355	2.56			13.976	0.101				
DIN3771 360x5.3	360	2.59			14.173	0.102				
DIN3771 365x5.3	365	2.62			14.370	0.103				
DIN3771 370x5.3	370	2.65			14.567	0.104				
DIN3771 375x5.3	375	2.68			14.764	0.106				
DIN3771 379x5.3	379	2.71			14.921	0.107				
DIN3771 383x5.3	383	2.73			15.079					
DIN3771 387x5.3	387	2.76			15.236	0.109				
DIN3771 391x5.3	391	2.78			15.394					
DIN3771 395x5.3	395	2.81			15.551	0.111				
DIN3771 400x5.3	400	2.84			15.748	0.112				
DIN3771 109x7	109	0.91	7	0.15	4.291	0.036	0.276	0.006		
DIN3771 112x7	112	0.93			4.409	0.037				
DIN3771 115x7	115	0.95			4.528					
DIN3771 118x7	118	0.97			4.646	0.038				
DIN3771 122x7	122	1			4.803	0.039				
DIN3771 125x7	125	1.03			4.921	0.041				
DIN3771 128x7	128	1.05			5.039					
DIN3771 132x7	132	1.08			5.197	0.043				
DIN3771 136x7	136	1.1			5.354					
DIN3771 140x7	140	1.13			5.512	0.044				
DIN3771 142.5x7	142.5	1.15			5.610	0.045				

DIN3771 145x7	145	1.17			5.709	0.046		
DIN3771 147.5x7	147.5	1.19			5.807	0.047		
DIN3771 150x7	150	1.2			5.906			
DIN3771 152.5x7	152.5	1.22			6.004	0.048		
DIN3771 155x7	155	1.24			6.102	0.049		
DIN3771 157.5x7	157.5	1.26			6.201	0.050		
DIN3771 160x7	160	1.27			6.299			
DIN3771 162.5x7	162.5	1.29			6.398	0.051		
DIN3771 165x7	165	1.31			6.496	0.052		
DIN3771 167.5x7	167.5	1.33			6.594			
DIN3771 170x7	170	1.34			6.693	0.053		
DIN3771 172.5x7	172.5	1.36			6.791	0.054		
DIN3771 175x7	175	1.38			6.890			
DIN3771 177.5x7	177.5	1.4			6.988	0.055		
DIN3771 180x7	180	1.41			7.087	0.056		
DIN3771 185x7	185	1.44			7.283	0.057		
DIN3771 190x7	190	1.48			7.480	0.058		
DIN3771 195x7	195	1.51			7.677	0.059		
DIN3771 200x7	200	1.55			7.874	0.061		
DIN3771 203x7	203	1.57			7.992	0.062		
DIN3771 206x7	206	1.59			8.110	0.063		
DIN3771 212x7	212	1.63			8.346	0.064		
DIN3771 218x7	218	1.67			8.583	0.066		
DIN3771 224x7	224	1.71			8.819	0.067		
DIN3771 230x7	230	1.75			9.055	0.069		
DIN3771 236x7	236	1.79			9.291	0.070		
DIN3771 243x7	243	1.83			9.567	0.072		
DIN3771 250x7	250	1.88			9.843	0.074		
DIN3771 254x7	254	1.91			10.000	0.075		
DIN3771 258x7	258	1.93			10.157	0.076		
DIN3771 261x7	261	1.96			10.276	0.077		
DIN3771 265x7	265	1.98			10.433	0.078		
DIN3771 268x7	268	2			10.551	0.079		
DIN3771 272x7	272	2.02			10.709	0.080		
DIN3771 276x7	276	2.5			10.866	0.098		
DIN3771 280x7	280	2.08			11.024	0.082		
DIN3771 283x7	283	2.1			11.142	0.083		
DIN3771 286x7	286	2.12			11.260			
DIN3771 290x7	290	2.14			11.417	0.084		
DIN3771 295x7	295	2.18			11.614	0.086		
DIN3771 300x7	300	2.21			11.811	0.087		
DIN3771 303x7	303	2.23			11.929	0.088		
DIN3771 307x7	307	2.25			12.087	0.089		
DIN3771 311x7	311	2.28			12.244	0.090		
DIN3771 315x7	315	2.3			12.402	0.091		
DIN3771 320x7	320	2.34			12.598	0.092		
DIN3771 325x7	325	2.37			12.795	0.093		

DIN3771 330x7	330	2.4			12.992	0.094		
DIN3771 335x7	335	2.43			13.189	0.096		
DIN3771 340x7	340	2.46			13.386	0.097		
DIN3771 345x7	345	2.49			13.583	0.098		
DIN3771 350x7	350	2.53			13.780	0.100		
DIN3771 355x7	355	2.56			13.976	0.101		
DIN3771 360x7	360	2.59			14.173	0.102		
DIN3771 365x7	365	2.62			14.370	0.103		
DIN3771 370x7	370	2.65			14.567	0.104		
DIN3771 375x7	375	2.68			14.764	0.106		
DIN3771 379x7	379	2.71			14.921	0.107		
DIN3771 383x7	383	2.73			15.079			
DIN3771 387x7	387	2.76			15.236	0.109		
DIN3771 391x7	391	2.78			15.394			
DIN3771 395x7	395	2.81			15.551	0.111		
DIN3771 400x7	400	2.84			15.748	0.112		
DIN3771 406x7	406	2.87			15.984	0.113		
DIN3771 412x7	412	2.91			16.220	0.115		
DIN3771 418x7	418	2.95			16.457	0.116		
DIN3771 425x7	425	2.99			16.732	0.118		
DIN3771 429x7	429	3			16.890			
DIN3771 433x7	433	3.04			17.047	0.120		
DIN3771 437x7	437	3.07			17.205	0.121		
DIN3771 443x7	443	3.11			17.441	0.122		
DIN3771 450x7	450	3.15			17.717	0.124		
DIN3771 456x7	456	3.18			17.953	0.125		
DIN3771 462x7	462	3.22			18.189	0.127		
DIN3771 466x7	466	3.24			18.346	0.128		
DIN3771 470x7	470	3.27			18.504	0.129		
DIN3771 475x7	475	3.3			18.701	0.130		
DIN3771 479x7	479	3.32			18.858	0.131		
DIN3771 483x7	483	3.34			19.016			
DIN3771 487x7	487	3.37			19.173	0.133		
DIN3771 493x7	493	3.41			19.409	0.134		
DIN3771 500x7	500	3.45			19.685	0.136		
DIN3771 508x7	508	3.5			20.000	0.138		
DIN3771 515x7	515	3.54			20.276	0.139		
DIN3771 523x7	523	3.59			20.591	0.141		
DIN3771 530x7	530	3.63			20.866	0.143		