

Washer Size	UNC	Metric	ID	OD	Thickness	Std Pkg Size	Wgt per 100 pair
NL3	#5	M3	0.13	0.28	0.07	200	0.07
NL3,5	#6	M3,5	0.15	0.30	0.07	200	0.09
NL3,5sp	#6	M3,5	0.15	0.35	0.07	200	0.13
NL4	#8	M4	0.17	0.30	0.07	200	0.09
NL4sp	#8	M4	0.17	0.35	0.07	200	0.13
NL5	#10	M5	0.21	0.35	0.07	200	0.11
NL5sp	#10	M5	0.21	0.43	0.07	200	0.24
NL6		M6	0.26	0.43	0.07	200	0.15
NL6sp		M6	0.26	0.53	0.10	200	0.44
NL1/4"	1/4"		0.28	0.45	0.07	200	0.18
NL1/4"sp	1/4"		0.28	0.53	0.10	200	0.40
NL8	5/16"	M8	0.34	0.53	0.10	200	0.33
NL8sp	5/16"	M8	0.34	0.65	0.10	200	0.62
NL3/8"	3/8"		0.41	0.65	0.10	200	0.51
NL3/8"sp	3/8"		0.41	0.83	0.10	200	1.06
NL10		M10	0.42	0.65	0.10	200	0.49
NL10sp		M10	0.42	0.83	0.10	200	1.04
NL11	7/16"	M11	0.45	0.73	0.10	200	0.64
NL12		M12	0.51	0.77	0.10	200	0.64
NL12sp		M12	0.51	1.00	0.13	100	2.05
NL1/2"	1/2"		0.53	0.77	0.10	200	0.60
NL1/2"sp	1/2"		0.53	1.00	0.13	100	1.98
NL14	9/16"	M14	0.60	0.91	0.13	100	1.23
NL14sp	9/16"	M14	0.60	1.21	0.13	100	3.11
NL16	5/8"	M16	0.67	1.00	0.13	100	1.48
NL16sp	5/8"	M16	0.67	1.21	0.13	100	2.82
NL18		M18	0.77	1.14	0.13	100	1.87
NL18sp		M18	0.77	1.36	0.13	100	3.48
NL3/4"	3/4"		0.79	1.21	0.13	100	2.31
NL3/4"sp	3/4"		0.79	1.54	0.13	100	4.85
NL20		M20	0.84	1.21	0.13	100	2.05
NL20sp		M20	0.84	1.54	0.13	100	4.48
NL22	7/8"	M22	0.92	1.36	0.13	100	2.84
NL22sp	7/8"	M22	0.92	1.65	0.18	50	7.30
NL24		M24	1.00	1.54	0.13	100	3.70
NL24sp		M24	1.00	1.91	0.18	50	9.94
NL1"	1"		1.10	1.54	0.13	100	3.37
NL1"sp	1"		1.10	1.91	0.18	50	9.26
NL27		M27	1.12	1.65	0.23	50	7.25
NL27sp		M27	1.12	1.91	0.23	25	11.88
NL30	1 1/8"	M30	1.24	1.85	0.23	50	9.26
NL30sp	1 1/8"	M30	1.24	2.30	0.26	25	19.75
NL33	1 1/4"	M33	1.35	1.91	0.23	25	8.75
NL33sp	1 1/4"	M33	1.35	2.30	0.26	25	18.32
NL36	1 3/8"	M36	1.47	2.17	0.26	25	12.32
NL36sp	1 3/8"	M36	1.47	2.48	0.26	25	20.17
NL39	1 1/2"	M39	1.59	2.30	0.26	25	13.85
NL42		M42	1.70	2.48	0.26	25	16.47
NL45	1 3/4"	M45	1.82	2.76	0.28	25	22.49

NL48		M48	1.95	2.95	0.28	25	26.46	NL3 – NL8 $\phi_i \pm 0.004$ inch	
NL52	2"	M52	2.11	3.15	0.28	25	28.66	NL10 – NL42 $\phi_i \pm 0.008$ inch	
NL56	2 1/4"	M56	2.33	3.35	0.28	10	29.76	NL45 – NL130 $\phi_o + 0.02/-0$ inch	
NL60		M60	2.48	3.54	0.28	10	33.51		
NL64	2 1/2"	M64	2.64	3.74	0.28	10	36.82		
NL68		M68	2.80	3.94	0.37	1	62.15		
NL72		M72	2.96	4.13	0.37	1	67.68		
NL76	3"	M76	3.11	4.33	0.37	1	73.43	NL3 – NL24 $\phi_o \pm 0.008$ inch	
NL80	3 1/8"	M80	3.27	4.53	0.37	1	79.41	NL27 – NL42 $\phi_o \pm 0.012$ inch	
NL85		M85	3.47	4.72	0.37	1	83.42	NL45 – NL130 $\phi_o + 0/-0.08$ inch	
NL90		M90	3.64	5.12	0.37	1	105.09		
NL95		M95	3.83	5.31	0.37	1	109.81		
NL100	4"	M100	4.07	5.71	0.37	1	129.87		
NL105		M105	4.27	5.91	0.37	1	135.10	NL3 – NL42 T ± 0.01 inch	
NL110		M110	4.46	6.10	0.37	1	140.32	NL45 – NL130 T ± 0.03 inch	
NL115		M115	4.66	6.50	0.37	1	165.96		Note that washers with thickness 0.26 inch has a thickness tolerance +0.0 / -0.02 inch
NL120		M120	4.86	6.69	0.37	1	171.83		
NL125		M125	5.06	6.81	0.37	1	168.94		
NL130	5"	M130	5.25	7.01	0.37	1	174.54		

[Back to washers](#)