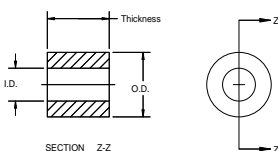


# SPACERS, WASHERS & BUSHINGS



## SPACERS & WASHERS



### SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

Alliance Plastics manufactures a wide range of spacer & washer sizes for general use to prevent friction and damage to contact surfaces. Alliance Plastics' injection molded spacers & washers are maintained to exacting tolerances and minimize vibration, to reduce noise, and to absorb shock loads. Unlike metal spacers & washers, they require little lubrication and will not rust, corrode or deteriorate.

PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
167BB-0475-0000	0.052	0.875	0.062			BUTYRATE	BLACK
167LN-0442-0000	0.070	0.312	0.188			LINEAR POLY	WHITE
NW250090032	0.090	0.250	0.032	2	15,000	NYLON	NATURAL
NW250090093	0.090	0.250	0.093	2	7,000	NYLON	NATURAL
NW250090125	0.090	0.250	0.125	2	5,000	NYLON	NATURAL
NSP-55	0.091	0.250	0.500	2	2,500	NYLON	NATURAL
167NN-0334-0000	0.096	0.295	0.062	2		NYLON	NATURAL
167NN-0322-0000	0.109	0.250	0.750	2		NYLON	NATURAL
NSP-2	0.115	0.188	0.125	4	3,000	NYLON	NATURAL
NSP-4	0.115	0.188	0.188	4	3,000	NYLON	NATURAL
NSP-6	0.115	0.188	0.250	4	3,000	NYLON	NATURAL
NSP-14	0.115	0.188	0.500	4	3,000	NYLON	NATURAL
NSP-22	0.115	0.188	0.750	4	3,000	NYLON	NATURAL
NSP-30	0.115	0.188	1.000	4	2,500	NYLON	NATURAL
NSP-32	0.115	0.250	0.125	4	3,000	NYLON	NATURAL
NSP-40	0.115	0.250	0.250	4	3,000	NYLON	NATURAL
NSP-56	0.115	0.250	0.500	4	3,000	NYLON	NATURAL
NSP-72	0.115	0.250	0.750	4	2,500	NYLON	NATURAL
NSP-88	0.115	0.250	1.000	4	2,500	NYLON	NATURAL
NW250115032	0.115	0.250	0.032	4	15,000	NYLON	NATURAL
NW250115062	0.115	0.250	0.062	4	10,000	NYLON	NATURAL
NW250115093	0.115	0.250	0.093	4	7,000	NYLON	NATURAL
NW250115125	0.115	0.250	0.125	4	5,000	NYLON	NATURAL
NSP-91	0.115	0.313	0.125	4	3,000	NYLON	NATURAL
NSP-99	0.115	0.313	0.250	4	3,000	NYLON	NATURAL
NSP-115	0.115	0.313	0.500	4	2,500	NYLON	NATURAL
NSP-131	0.115	0.313	0.750	4	2,500	NYLON	NATURAL
NSP-147	0.115	0.313	1.000	4	2,000	NYLON	NATURAL
167NN-0444-0000	0.125	0.250	0.375	4		NYLON	NATURAL
167NN-0656-0000	0.125	0.305	0.500	4		NYLON	NATURAL
167NN-0449-0000	0.125	0.312	0.359	4		NYLON	NATURAL
167NN-2043-0000	0.127	0.250	0.134	4		NYLON	NATURAL
167LN-2525-0000	0.127	0.372	0.375	4		LINEAR POLY	WHITE
167PB-2525-0000	0.127	0.375	0.375	4		POLYETHYLENE	BLACK
167-NN-0649-0000	0.128	0.500	0.035	4		NYLON	NATURAL
167-NN-0461-0000	0.129	0.419	0.225	4		NYLON	NATURAL
167-NN-0524-0000	0.129	0.419	0.500	4		NYLON	NATURAL
167-LN-0575-0000	0.129	0.437	0.375	4		LINEAR POLY	WHITE
167NN-0525-0000	0.130	0.312	0.437	4		NYLON	NATURAL
167NN-0597-0000	0.135	0.250	0.031	4		NYLON	NATURAL
NSP-33	0.140	0.250	0.125	6	3,000	NYLON	NATURAL
NSP-37	0.140	0.250	0.188	6	3,000	NYLON	NATURAL
167NN-0508-0000	0.140	0.250	0.375	6		NYLON	NATURAL
NW312140032	0.140	0.312	0.032	6	15,000	NYLON	NATURAL
NW312140062	0.140	0.312	0.062	6	10,000	NYLON	NATURAL
NW312140093	0.140	0.312	0.093	6	5,000	NYLON	NATURAL
NW312140125	0.140	0.312	0.125	6	5,000	NYLON	NATURAL
167LN-0430-0000	0.156	0.312	0.625	6		LINEAR POLY	WHITE
167-NN-0677-0000	0.165	0.500	0.187	6		NYLON	NATURAL
167-LN-0591-0000	0.166	0.437	1.000	6		LINEAR POLY	WHITE
167-NN-0591-0000	0.166	0.437	1.000	6		NYLON	NATURAL
167-NN-0319-0000	0.166	0.438	1.250	6		NYLON	NATURAL
NSP-125	0.171	0.313	0.625	8	2,500	NYLON	NATURAL
NSP-159	0.171	0.375	0.125	8	3,000	NYLON	NATURAL
NSP-165	0.171	0.375	0.250	8	3,000	NYLON	NATURAL
NSP-171	0.171	0.375	0.375	8	3,000	NYLON	NATURAL
NSP-189	0.171	0.375	0.750	8	2,500	NYLON	NATURAL
NSP-201	0.171	0.375	1.000	8	2,000	NYLON	NATURAL
NW375171032	0.171	0.375	0.032	8	7,000	NYLON	NATURAL
NW375171062	0.171	0.375	0.062	8	7,000	NYLON	NATURAL
NW375171093	0.171	0.375	0.093	8	5,000	NYLON	NATURAL
NW375171125	0.171	0.375	0.125	8	5,000	NYLON	NATURAL
NSP-204	0.171	0.500	0.125	8	3,000	NYLON	NATURAL
NSP-214	0.171	0.500	0.250	8	2,500	NYLON	NATURAL
NSP-224	0.171	0.500	0.375	8	2,500	NYLON	NATURAL
NSP-234	0.171	0.500	0.500	8	2,500	NYLON	NATURAL
NSP-254	0.171	0.500	0.750	8	2,000	NYLON	NATURAL
NSP-274	0.171	0.500	1.000	8	2,000	NYLON	NATURAL
167-NN-0616-0000	0.171	0.500	0.250	8		NYLON	NATURAL

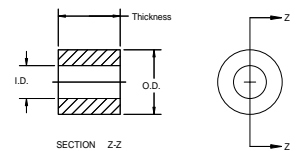


# SPACERS, WASHERS & BUSHINGS



PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
167-NN-0517-0000	0.180	0.406	0.562	8		NYLON	NATURAL
167NN-0643-0000	0.181	0.270	0.130	8		NYLON	NATURAL
167PB-0544-0000	0.185	0.541	1.000	8		POLYETHYLENE	BLACK
167PB-0451-0000	0.185	1.375	0.062	8		POLYETHYLENE	BLACK
167LN-2043-0000	0.186	0.504	0.437	8		LINEAR POLY	WHITE
167NN-0447-0000	0.187	0.312	0.687	8		NYLON	NATURAL
167NN-0586-0000	0.187	0.375	0.355	8		NYLON	NATURAL
167-NN-0595-0000	0.187	0.500	0.355	8		NYLON	NATURAL
167LN-0427-0000	0.187	0.578	0.125	8		LINEAR POLY	WHITE
167LN-0645-0000	0.187	0.750	0.094	8		LINEAR POLY	WHITE
167LN-2324-0000	0.187	0.750	0.187	8		LINEAR POLY	WHITE
167LN-0314-0000	0.187	1.000	0.250	8		LINEAR POLY	WHITE
167NN-0100-0000	0.187	1.120	0.250	8		NYLON	NATURAL
NSP-600-0377	0.188	0.375	0.188	8	6,000	NYLON	NATURAL
NSP-600-0341	0.188	0.500	0.625	8	5,000	NYLON	NATURAL
167-LN-2032-0000	0.189	0.500	0.093	8		LINEAR POLY	WHITE
167-LN-2033-0000	0.189	0.500	0.125	8		LINEAR POLY	WHITE
167-PB-2033-0000	0.189	0.500	0.125	8		POLYETHYLENE	BLACK
167-NN-2035-0000	0.189	0.500	0.187	8		NYLON	NATURAL
167-BB-2043-0000	0.189	0.500	0.437	8		BUTYRATE	BLACK
167LN-2327-0000	0.189	0.750	0.312	8		LINEAR POLY	WHITE
NSP-600-2013	0.190	0.500	0.375	8	5,000	NYLON	NATURAL
167NN-0660-0000	0.191	0.375	0.360	8		NYLON	NATURAL
167-NN-0520-0000	0.191	0.375	0.370	8		NYLON	NATURAL
167-NN-0659-0000	0.191	0.375	0.875	8		NYLON	NATURAL
167PB-0318-0000	0.191	1.000	0.312	8		POLYETHYLENE	BLACK
NW375194032	0.194	0.375	0.032	10	10,000	NYLON	NATURAL
NW375194062	0.194	0.375	0.062	10	7,000	NYLON	NATURAL
NW375194093	0.194	0.375	0.093	10	5,000	NYLON	NATURAL
NW375194125	0.194	0.375	0.125	10	5,000	NYLON	NATURAL
NSP-205	0.194	0.500	0.125	10	3,000	NYLON	NATURAL
NSP-275	0.194	0.500	1.000	10	2,000	NYLON	NATURAL
167LN-0550-0000	0.195	0.312	0.190	10		LINEAR POLY	WHITE
167LN-0549-0000	0.195	0.340	0.360	10		LINEAR POLY	WHITE
167-PB-0326-0000	0.195	0.500	0.062	10		POLYETHYLENE	BLACK
167NN-0646-0000	0.195	0.625	0.125	10		NYLON	NATURAL
167-LN-0492-0000	0.196	0.375	0.937	10		LINEAR POLY	WHITE
167NN-0648-0000	0.200	0.372	0.250	10		NYLON	NATURAL
167-LN-0323-0000	0.200	0.400	0.437	10		LINEAR POLY	WHITE
167LN-0452-0000	0.200	1.250	0.125	10		LINEAR POLY	WHITE
167-NN-0432-0000	0.203	0.437	0.250	10		NYLON	NATURAL
167-NN-0666-0000	0.203	0.437	0.250	10		NYLON	NATURAL
167LN-0599-0000	0.203	0.562	0.187	10		LINEAR POLY	WHITE
167PB-0477-0000	0.203	0.625	0.500	10		POLYETHYLENE	BLACK
NSP-600-0285	0.203	0.750	0.625	10		NYLON	NATURAL
167-LN-0658-0000	0.205	0.485	0.750	10		LINEAR POLY	WHITE
167NN-0433-0000	0.205	0.500	0.510	10		NYLON	NATURAL
NW-600-0362	0.216	0.438	0.063	10	30,000	NYLON	NATURAL
167-PB-0545-0000	0.218	0.437	1.000	10		POLYETHYLENE	BLACK
167-PB-0548-0000	0.218	0.437	1.250	10		POLYETHYLENE	BLACK
167NN-0424-0000	0.218	0.562	0.040	10		NYLON	NATURAL
167LN-2349-0000	0.218	0.750	0.187	10		LINEAR POLY	WHITE
167NB-0654-0000	0.219	0.500	0.719	10		NYLON	BLACK
167PB-0654-0000	0.219	0.500	0.719	10		POLYETHYLENE	BLACK
167PB-0606-0000	0.225	1.000	0.625	12		POLYETHYLENE	BLACK
167-NN-0633-0000	0.234	0.445	0.334	12		NYLON	NATURAL
167PB-7002-0000	0.234	1.000	0.625	12		POLYETHYLENE	BLACK
167LN-0622-0000	0.240	0.500	0.140	12		LINEAR POLY	WHITE
NSP-600-6237	0.245	0.610	0.370	12	8,500	NYLON	NATURAL
167-NN-2600-0000	0.250	0.375	0.375	12		NYLON	NATURAL
167-BB-0301-0000	0.250	0.375	0.750	12		BUTYRATE	BLACK
167-BN-0609-0000	0.250	0.470	0.750	12		BUTYRATE	BLACK
NSP-600-0152	0.250	0.500	0.500	12	8,000	NYLON	NATURAL
NSP-600-0200	0.250	0.560	0.250	12	20,000	NYLON	NATURAL
167NN-0429-0000	0.250	0.562	0.260	12		NYLON	NATURAL
167NN-0603-0000	0.250	0.562	0.562	12		NYLON	NATURAL

## SPACERS & WASHERS



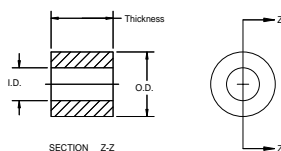
### SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

# SPACERS, WASHERS & BUSHINGS



## SPACERS & WASHERS



### SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
NSP-600-0348	0.250	0.625	0.500	12	4,000	NYLON	NATURAL
167NN-0657-0000	0.250	0.625	0.375	12		NYLON	NATURAL
NSP-600-0250	0.250	0.740	0.250	12	5,000	NYLON	NATURAL
NSP-600-0742	0.250	0.742	0.312	12	5,000	NYLON	NATURAL
167PB-0580-0000	0.250	0.750	0.250	12		POLYETHYLENE	BLACK
167LN-0509-0000	0.250	0.750	0.687	12		LINEAR POLY	WHITE
167NN-0455-0000	0.250	0.750	1.000	12		NYLON	NATURAL
167NN-0455-0000	0.250	0.750	1.000	12		NYLON	NATURAL
167LN-0565-0000	0.250	0.760	0.125	12		LINEAR POLY	WHITE
167LN-0405-0000	0.250	0.780	0.620	12		LINEAR POLY	WHITE
167LN-2920-0000	0.250	1.250	0.062	12		LINEAR POLY	WHITE
167LN-0321-0000	0.250	1.500	0.125	12		LINEAR POLY	WHITE
NW-600-0120	0.250	1.950	0.290	12	15,000	NYLON	NATURAL
167-NN-0625-0000	0.253	0.406	0.100	1/4		NYLON	NATURAL
167NN-2078-0000	0.253	0.500	0.125	1/4		NYLON	NATURAL
NSP-600-2211	0.253	0.625	0.250	1/4	10,000	NYLON	NATURAL
167LN-2211-0000	0.253	0.625	0.250	1/4		LINEAR POLY	WHITE
167LN-2356-0000	0.253	0.750	0.062	1/4		LINEAR POLY	WHITE
167LN-0443-0000	0.255	0.500	0.437	1/4		LINEAR POLY	WHITE
167PB-0681-0000	0.256	0.500	0.107	1/4		POLYETHYLENE	BLACK
167PB-0682-0000	0.256	0.500	0.187	1/4		POLYETHYLENE	BLACK
167LN-0668-0000	0.257	0.370	0.500	1/4		LINEAR POLY	WHITE
167-NN-0661-0000	0.257	0.375	0.250	1/4		NYLON	NATURAL
167-NN-0450-0000	0.257	0.490	0.200	1/4		NYLON	NATURAL
NSP-222	0.257	0.500	0.313	1/4	2,500	NYLON	NATURAL
NSP-237	0.257	0.500	0.500	1/4	2,000	NYLON	NATURAL
NW500257032	0.257	0.500	0.032	1/4	7,000	NYLON	NATURAL
NW500257062	0.257	0.500	0.062	1/4	5,000	NYLON	NATURAL
NW500257093	0.257	0.500	0.093	1/4	5,000	NYLON	NATURAL
NW500257125	0.257	0.500	0.125	1/4	5,000	NYLON	NATURAL
167NN-0468-0000	0.257	0.500	0.312	1/4		NYLON	NATURAL
167NN-0527-0000	0.259	0.320	0.335	1/4		NYLON	NATURAL
NSP-600-0188	0.260	0.375	0.250	1/4	5,000	NYLON	NATURAL
167NN-0612-0000	0.260	0.500	0.250	1/4		NYLON	NATURAL
167NN-0683-0000	0.260	0.500	0.500	1/4		NYLON	NATURAL
167LN-0445-0000	0.260	0.500	1.000	1/4		LINEAR POLY	WHITE
167PB-0603-0000	0.260	0.562	0.562	1/4		POLYETHYLENE	BLACK
NW-600-7126	0.260	0.875	0.250	1/4	5,000	NYLON	NATURAL
NSP-600-0347	0.260	1.000	0.625	1/4	2,700	NYLON	NATURAL
167PB-7008-0000	0.260	1.000	0.625	1/4		POLYETHYLENE	BLACK
167PB-0345-0000	0.262	0.500	0.375	1/4		POLYETHYLENE	BLACK
167-PB-0588-0000	0.265	0.453	0.750	1/4		POLYETHYLENE	BLACK
167CN-0673-0000	0.265	0.595	0.130	1/4		CELCON	WHITE
167NN-0673-0000	0.265	0.595	0.130	1/4		NYLON	NATURAL
NSP-600-0295	0.265	0.615	0.495	1/4	5,000	NYLON	NATURAL
NW-600-0231	0.265	0.750	0.045	1/4	5,000	NYLON	NATURAL
167NN-0325-0000	0.265	0.750	0.500	1/4		NYLON	NATURAL
167NN-0639-0000	0.265	1.000	0.250	1/4		NYLON	NATURAL
167-LN-0647-0000	0.266	0.375	0.125	1/4		LINEAR POLY	WHITE
167NN-0465-0000	0.270	0.625	0.055	1/4		NYLON	NATURAL
167NN-0578-0000	0.279	0.500	0.322	1/4		NYLON	NATURAL
167LN-0312-0000	0.280	0.562	0.156	1/4		LINEAR POLY	WHITE
167NN-0312-0000	0.280	0.562	0.156	1/4		NYLON	NATURAL
NSP-600-0450	0.281	0.450	0.145	1/4	5,000	NYLON	NATURAL
167NN-2110-0000	0.281	0.500	0.187	1/4		NYLON	NATURAL
167NN-0327-0000	0.282	0.557	0.156	1/4		NYLON	NATURAL
167NN-0464-0000	0.285	0.625	0.062	1/4		NYLON	NATURAL
167NN-0641-0000	0.286	0.500	0.103	1/4		NYLON	NATURAL
167-NN-0642-0000	0.288	0.398	0.103	1/4		NYLON	NATURAL
167NN-0613-0000	0.300	0.780	0.060	1/4		NYLON	NATURAL
167NN-0582-0000	0.307	0.593	0.125	1/4		NYLON	NATURAL
NSP-600-0192	0.310	0.750	0.500	1/4**	7,000	NYLON	NATURAL
167-NN-0428-0000	0.312	0.403	0.687	1/4		NYLON	NATURAL
167-LN-0600-0000	0.312	0.437	0.062	1/4		LINEAR POLY	WHITE
167-BB-0367-0000	0.312	0.437	0.875	1/4		BUTYRATE	BLACK
167PB-0537-0000	0.312	0.541	0.250	1/4		POLYETHYLENE	BLACK
167NN-0584-0000	0.312	1.000	0.125	1/4		NYLON	NATURAL
NSP-600-0358	0.313	0.625	0.500	1/4	3,500	NYLON	NATURAL

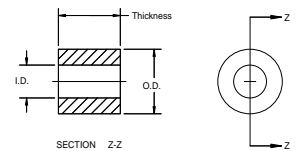


# SPACERS, WASHERS & BUSHINGS



PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
167LN-2378-0000	0.315	0.750	0.066	5/16		LINEAR POLY	WHITE
167-NN-0629-0000	0.317	0.412	1.000	5/16		NYLON	NATURAL
NW500317032	0.317	0.500	0.032	5/16	7,000	NYLON	NATURAL
NW500317062	0.317	0.500	0.062	5/16	5,000	NYLON	NATURAL
NW500317093	0.317	0.500	0.093	5/16	5,000	NYLON	NATURAL
NW500317125	0.317	0.500	0.125	5/16	5,000	NYLON	NATURAL
167NN-0431-0000	0.317	0.625	0.500	5/16		NYLON	NATURAL
167NN-0448-0000	0.317	1.125	0.250	5/16		NYLON	NATURAL
167-NN-0307-0000	0.318	0.378	0.630	5/16		NYLON	NATURAL
167NN-0585-0000	0.318	0.750	0.062	5/16		NYLON	NATURAL
167NN-0614-0000	0.320	0.510	0.250	5/16		NYLON	NATURAL
NW-600-0342	0.320	1.000	0.250	5/16	7,000	NYLON	NATURAL
167NB-0341-0000	0.320	1.000	0.125	5/16		NYLON	NATURAL
NW-600-0585	0.321	0.760	0.069	5/16	10,000	NYLON	NATURAL
167LN-0431-0000	0.322	0.625	0.500	5/16		LINEAR POLY	WHITE
167NN-0309-0000	0.323	0.625	0.155	5/16		NYLON	NATURAL
167-PB-0587-0000	0.325	0.453	0.750	5/16		POLYETHYLENE	BLACK
167NN-0627-0000	0.325	0.500	0.050	5/16		NYLON	NATURAL
167BB-0518-0000	0.325	0.500	0.847	5/16		BUTYRATE	BLACK
167NN-5004-0000	0.328	0.750	0.125	5/16		NYLON	NATURAL
NSP-600-0254	0.330	0.750	0.500	5/16	5,500	NYLON	NATURAL
NSP-600-0126	0.335	0.750	0.250	5/16	5,500	NYLON	NATURAL
167NN-0512-0000	0.335	0.750	0.250	5/16		NYLON	NATURAL
NSP-600-0234	0.340	0.630	0.680	5/16	5,000	NYLON	NATURAL
167LN-0571-0000	0.343	0.562	0.625	5/16		LINEAR POLY	WHITE
167NN-0571-0000	0.343	0.562	0.625	5/16		NYLON	NATURAL
167NN-0630-0000	0.343	0.562	0.875	5/16		NYLON	NATURAL
167NN-0488-0000	0.343	1.250	0.062	5/16		NYLON	NATURAL
167NN-0644-0000	0.344	0.500	0.500	5/16		NYLON	NATURAL
167NN-0306-0000	0.345	0.750	0.685	5/16		NYLON	NATURAL
167LN-0624-0000	0.355	0.625	0.187	5/16		LINEAR POLY	WHITE
167NN-0333-0000	0.365	0.750	0.312	5/16		NYLON	NATURAL
167NN-0446-0000	0.375	0.505	0.192	5/16		NYLON	NATURAL
NW-600-0233	0.375	0.750	0.065	5/16	10,000	NYLON	NATURAL
167NB-0400-0000	0.375	0.750	0.385	5/16		NYLON	NATURAL
167NN-0400-0000	0.375	0.750	0.385	5/16		NYLON	NATURAL
167NN-0505-0000	0.375	0.875	0.062	5/16		NYLON	NATURAL
167NN-0320-0000	0.375	0.875	0.125	5/16		NYLON	NATURAL
167NN-0631-0000	0.375	0.875	0.375	5/16		NYLON	NATURAL
NW-600-0235	0.375	1.000	0.062	5/16	5,500	NYLON	NATURAL
167NB-0342-0000	0.375	1.000	0.250	5/16		NYLON	NATURAL
167NN-0313-0000	0.375	1.000	0.250	5/16		NYLON	NATURAL
NW-600-0833	0.375	1.500	0.129	5/16	7,000	NYLON	NATURAL
167NN-0563-0000	0.375	1.500	0.125	5/16		NYLON	NATURAL
167NN-0519-0000	0.376	0.546	0.484	5/16		NYLON	NATURAL
167NN-0336-0000	0.377	0.625	0.230	3/8		NYLON	NATURAL
167LN-2244-0000	0.377	0.625	0.250	3/8		LINEAR POLY	WHITE
167NN-2389-0000	0.377	0.750	0.062	3/8		NYLON	NATURAL
167NN-0528-0000	0.378	0.937	0.125	3/8		NYLON	NATURAL
NW625380032	0.380	0.625	0.032	3/8	7,000	NYLON	NATURAL
NW625380062	0.380	0.625	0.062	3/8	5,000	NYLON	NATURAL
NW625380093	0.380	0.625	0.093	3/8	5,000	NYLON	NATURAL
NW625380125	0.380	0.625	0.125	3/8	5,000	NYLON	NATURAL
167PB-0346-0000	0.380	0.670	0.980	3/8		POLYETHYLENE	BLACK
167NB-0652-0000	0.380	0.750	0.187	3/8		NYLON	NATURAL
167NN-0466-0000	0.385	0.750	0.500	3/8		NYLON	NATURAL
167PB-2860-0000	0.385	0.750	0.125	3/8		POLYETHYLENE	BLACK
167LN-0439-0000	0.385	0.750	0.385	3/8		LINEAR POLY	WHITE
167NN-0638-0000	0.385	0.761	0.046	3/8		NYLON	NATURAL
167LN-0640-0000	0.386	1.250	0.047	3/8		NYLON	NATURAL
167NN-0653-0000	0.387	0.500	1.000	3/8		NYLON	NATURAL
167NN-0570-0000	0.388	0.562	0.304	3/8		NYLON	NATURAL
167NN-0514-0000	0.388	0.937	0.125	3/8		NYLON	NATURAL
167LN-0615-0000	0.400	0.500	0.360	7/16		LINEAR POLY	WHITE
167NN-0662-0000	0.430	0.581	0.410	7/16		NYLON	NATURAL

## SPACERS & WASHERS



### SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

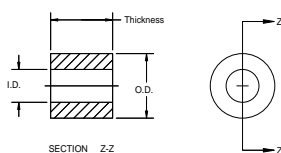
800-331-3816

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# SPACERS, WASHERS & BUSHINGS



## SPACERS & WASHERS



### SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
167LN-0572-0000	0.437	1.250	0.070	7/16		LINEAR POLY	WHITE
NW750443032	0.443	0.750	0.032	7/16	5,000	NYLON	NATURAL
NW750443062	0.443	0.750	0.062	7/16	5,000	NYLON	NATURAL
NW750443093	0.443	0.750	0.093	7/16	3,000	NYLON	NATURAL
NW750443125	0.443	0.750	0.125	7/16	3,000	NYLON	NATURAL
167NN-0672-0000	0.443	0.750	0.375	7/16		NYLON	NATURAL
167NN-0490-0000	0.453	0.750	0.385	7/16		NYLON	NATURAL
167LN-0440-0000	0.470	0.935	0.075	7/16		LINEAR POLY	WHITE
167PB-2262-0000	0.500	0.625	0.125	7/16		POLYETHYLENE	BLACK
NSP-600-0237	0.500	0.750	0.375	7/16	8,000	NYLON	NATURAL
167NN-0665-0000	0.500	0.755	0.312	7/16		NYLON	NATURAL
NW-600-0297	0.500	1.000	0.135	7/16	5,000	NYLON	NATURAL
167NN-0628-0000	0.500	1.000	0.050	7/16		NYLON	NATURAL
167NN-0576-0000	0.500	1.000	0.062	7/16		NYLON	NATURAL
167NN-0635-0000	0.500	1.000	0.100	7/16		NYLON	NATURAL
167NN-0593-0000	0.500	1.250	0.063	7/16		NYLON	NATURAL
167NN-0403-0000	0.501	1.000	0.146	1/2		NYLON	NATURAL
167NN-2422-0000	0.503	0.750	0.375	1/2		LINEAR POLY	WHITE
NW750505032	0.505	0.750	0.032	1/2	5,000	NYLON	NATURAL
NW750505062	0.505	0.750	0.062	1/2	5,000	NYLON	NATURAL
NW750505093	0.505	0.750	0.093	1/2	3,000	NYLON	NATURAL
NW750505125	0.505	0.750	0.125	1/2	3,000	NYLON	NATURAL
167NN-0504-0000	0.510	0.750	0.165	1/2		NYLON	NATURAL
167NN-0526-0000	0.510	0.755	0.682	1/2		NYLON	NATURAL
NW-600-0283	0.512	1.258	0.064	1/2	5,000	NYLON	NATURAL
NW-600-0160	0.514	1.250	0.062	1/2	5,000	NYLON	NATURAL
167NN-0676-0000	0.515	0.750	0.110	1/2		NYLON	NATURAL
167NN-0601-0000	0.515	0.875	0.687	1/2		NYLON	NATURAL
167PB-0670-0000	0.515	1.250	0.187	1/2		POLYETHYLENE	BLACK
167NN-0555-0000	0.520	0.625	0.218	1/2		NYLON	NATURAL
167NN-0399-0000	0.520	0.750	0.060	1/2		NYLON	NATURAL
NW1375525125	0.525	1.375	0.125	1/2	1,000	NYLON	NATURAL
167NN-0434-0000	0.562	0.875	0.125			NYLON	NATURAL
167NN-0664-0000	0.625	0.750	0.125	9/16		NYLON	NATURAL
167NN-0665-0000	0.625	0.750	0.190	9/16		NYLON	NATURAL
NSP-600-0095	0.625	0.875	0.125	9/16	5,000	NYLON	NATURAL
167LN-0605-0000	0.625	1.000	0.250	9/16		LINEAR POLY	WHITE
167NN-0583-0000	0.625	1.062	0.094	9/16		NYLON	NATURAL
167NN-0579-0000	0.629	1.125	0.128	9/16		NYLON	NATURAL
NW-600-0232	0.700	1.000	0.145	5/8	5,000	NYLON	NATURAL
167NN-0402-0000	0.700	1.000	0.146	5/8		NYLON	NATURAL
167NN-0620-0000	0.709	1.250	0.062	5/8		NYLON	NATURAL
167NN-0437-0000	0.750	1.250	0.125	3/4		NYLON	NATURAL
NW-600-0161	0.760	1.250	0.065	3/4	5,000	NYLON	NATURAL
167LN-0565-0000	0.765	0.250	0.125	3/4		LINEAR POLY	WHITE
NW1250765080*	0.765	1.250	0.080	3/4	3,000	NYLON	NATURAL
167LN-0315-0000	0.781	1.250	0.250	3/4		LINEAR POLY	WHITE
167LN-0316-0000	0.781	1.250	0.750	3/4		LINEAR POLY	WHITE
167LN-0317-0000	0.781	1.250	1.000	3/4		LINEAR POLY	WHITE
NSP-600-0172	0.825	1.250	0.880	3/4	7,000	NYLON	NATURAL
167LN-0604-0000	0.875	1.113	0.625	7/8		LINEAR POLY	WHITE
167LN-0598-0000	0.942	1.062	0.500	7/8		LINEAR POLY	WHITE
167NN-0598-0000	0.942	1.062	0.500	7/8		NYLON	NATURAL
167LN-0474-0000	1.000	1.115	0.370	1		LINEAR POLY	WHITE
167NN-0330-0000	1.000	2.000	0.156	1		NYLON	NATURAL
NSP-600-0171	1.095	1.315	0.890	1	1,100	NYLON	NATURAL
167LN-0394-0000	1.125	1.375	0.062	1-3/8		LINEAR POLY	WHITE
167NN-0483-0000	1.245	1.375	0.750	1-3/8		NYLON	NATURAL
167LN-0574-0000	1.250	2.250	0.125	1-3/8		LINEAR POLY	WHITE
167LN-0303-0000	1.295	1.475	1.090	1-3/8		LINEAR POLY	WHITE
167NN-0596-0000	1.312	2.250	0.093	1-3/8		NYLON	NATURAL
167NN-0547-0000	1.375	1.875	0.187			NYLON	NATURAL
167LN-0321-0000	1.500	0.250	0.125	1-1/2		LINEAR POLY	WHITE
167NN-0592-0000	1.645	2.312	0.062	1-1/2		NYLON	NATURAL
167NN-0302-0000	1.660	2.000	0.375	1-1/2		NYLON	NATURAL
167NN-0507-0000	1.734	2.312	0.050	1-1/2		NYLON	NATURAL
NW-600-0131	1.765	2.325	0.600	1-3/4	5,000	NYLON	NATURAL

\*Special, \*\*Ribbed, \*\*\*Slanted



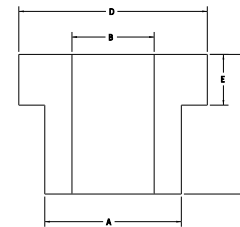
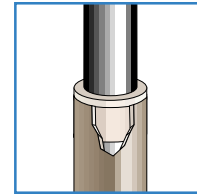
# SPACERS, WASHERS & BUSHINGS



## DIMENSIONS (IN.)

PART NUMBER	A	B	C	D	E	MATERIAL	COLOR
NBF4	0.187	0.118	0.080	0.281	0.040	NYLON	NATURAL
NBF393194159	0.194	0.159	0.109	0.393	0.047	NYLON	NATURAL
NBF283199123	0.199	0.123	0.295	0.283	0.045	NYLON	NATURAL
212NN-0231-0000	0.211	0.144	0.172	0.275	0.141	NYLON	NATURAL
212NN-0334-0000	0.215	0.116	0.219	0.141	0.050	NYLON	NATURAL
212NN-0235-0000	0.218	0.125	0.281	0.641	0.109	NYLON	NATURAL
212NN-0248-0000	0.231	0.126	0.068	0.467	0.037	NYLON	NATURAL
212NN-0180-0000	0.234	0.125	0.140	0.375	0.031	NYLON	NATURAL
212NN-0229-0000	0.234	0.141	0.180	0.375	0.094	NYLON	NATURAL
NBF408240197	0.240	0.197	0.249	0.408	0.062	NYLON	NATURAL
212NN-0250-0000	0.242	0.171	0.156	0.500	0.094	NYLON	NATURAL
212NN-0102-0000	0.250	0.125	0.500	0.562	0.250	NYLON	NATURAL
NBF355040250	0.250	0.150	0.130	0.355	0.040	NYLON	NATURAL
212NN-0207-0000	0.250	0.150	0.219	0.375	0.062	NYLON	NATURAL
212NN-0276-0000	0.250	0.195	0.093	0.550	0.031	NYLON	NATURAL
NBF380065254	0.254	0.196	0.190	0.380	0.065	NYLON	NATURAL
212NN-0198-0000	0.297	0.187	0.120	0.500	0.070	NYLON	NATURAL
212NN-0146-0000	0.297	0.250	0.219	0.395	0.040	NYLON	NATURAL
212NN-0241-0000	0.300	0.195	0.500	0.500	0.094	NYLON	NATURAL
NBF581196300	0.300	0.196	0.278	0.581	0.120	NYLON	NATURAL
212NN-0111-0000	0.300	0.196	0.280	0.583	0.125	NYLON	NATURAL
212NN-0144-0000	0.300	0.196	0.500	0.500	0.125	NYLON	NATURAL
NBF440032303	0.303	0.196	0.181	0.440	0.040	NYLON	NATURAL
212NN-0352-0000	0.307	0.199	0.218	0.500	0.093	NYLON	NATURAL
212NN-0317-0000	0.310	0.120	0.187	0.500	0.057	NYLON	NATURAL
212NN-0130-0000	0.310	0.187	0.218	0.500	0.050	NYLON	NATURAL
NBF510308255	0.310	0.255	0.203	0.510	0.062	NYLON	NATURAL
212NN-0126-0000	0.312	0.125	0.135	0.625	0.037	NYLON	NATURAL
212NN-0232-0000	0.312	0.187	0.240	0.500	0.100	NYLON	NATURAL
212NN-0363-0000	0.312	0.187	0.350	0.500	0.100	NYLON	NATURAL
212NN-0179-0000	0.312	0.190	0.275	0.687	0.062	NYLON	NATURAL
212NN-0166-0000	0.312	0.196	0.218	0.500	0.046	NYLON	NATURAL
212NN-0168-0000	0.312	0.200	0.250	0.500	0.062	NYLON	NATURAL
212NN-0318-0000	0.312	0.237	0.362	0.500	0.062	NYLON	NATURAL
212BN-0263-0000	0.312	0.250	0.500	0.500	0.156	BUTYRATE	CLEAR
212NN-0156-0000	0.312	0.255	0.137	0.437	0.062	NYLON	NATURAL
212NN-0178-0000	0.312	0.255	0.234	0.625	0.032	NYLON	NATURAL
212LN-0348-0000	0.315	0.125	0.750	0.442	0.250	LINEAR POLY	WHITE
212NN-0208-0000	0.315	0.219	0.219	0.562	0.082	NYLON	NATURAL
212NN-0268-0000	0.317	0.258	0.375	0.562	0.062	NYLON	NATURAL
212NN-0173-0000	0.320	0.255	0.141	0.625	0.031	NYLON	NATURAL
NBF625322255	0.322	0.255	0.249	0.625	0.062	NYLON	NATURAL
212NN-0116-0000	0.328	0.180	0.437	0.500	0.062	NYLON	NATURAL
212PB-0196-0000	0.339	0.265	0.250	0.750	0.062	POLYETHYLENE	BLACK
212NB-0149-0000	0.343	0.190	0.281	0.875	0.140	NYLON	NATURAL
212NN-0149-0000	0.344	0.190	0.281	0.875	0.141	NYLON	NATURAL
212NN-0320-0000	0.344	0.196	0.594	0.500	0.187	NYLON	NATURAL
212NN-0335-0000	0.344	0.210	0.203	0.625	0.062	NYLON	NATURAL
212NN-0240-0000	0.348	0.260	0.550	0.562	0.031	NYLON	NATURAL
NBF428125350	0.350	0.308	0.172	0.428	0.125	NYLON	NATURAL
212NN-0121-0000	0.353	0.234	0.281	0.656	0.103	NYLON	NATURAL
212NN-0230-0000	0.355	0.235	0.281	0.650	0.109	NYLON	NATURAL
212NN-0115-0000	0.359	0.140	0.344	0.625	0.031	NYLON	NATURAL
212BB-0330-0000	0.359	0.218	0.234	0.484	0.062	BUTYRATE	BLACK
212NN-0170-0000	0.359	0.240	0.225	0.665	0.109	NYLON	NATURAL
212NN-0227-0000	0.359	0.250	0.156	0.500	0.062	NYLON	NATURAL
212NN-0194-0000	0.359	0.266	0.422	0.625	0.250	NYLON	NATURAL
NBF620062250	0.360	0.320	0.312	0.620	0.062	NYLON	NATURAL
NBF6200625375	0.360	0.320	0.437	0.620	0.062	NYLON	NATURAL
212NN-0129-0000	0.363	0.260	0.500	0.500	0.062	NYLON	NATURAL
212NN-0122-0000	0.364	0.221	0.156	0.550	0.109	NYLON	NATURAL
NBF500031375	0.365	0.255	0.219	0.500	0.031	NYLON	NATURAL
212NN-0151-0000	0.365	0.312	0.165	0.615	0.035	NYLON	NATURAL
212NN-0128-0000	0.365	0.315	0.343	0.562	0.062	NYLON	NATURAL

## FLANGED BUSHINGS



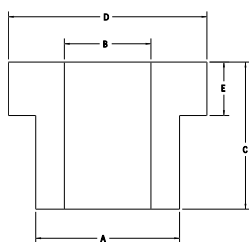
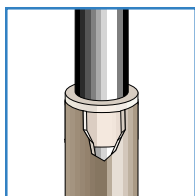
### SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

Alliance Plastics' Flanged Bushings are inexpensive, lightweight, non-corrosive and have a low friction coefficient. They are suitable as light load bearings or bushings. Used as locators, sleeves, liners and guides, flanged bushings insulate a component and prevent metal to metal contact. The flanged portion acts as a stop when inserted into a component. The shank then insulates the shaft, bolt, stud, rivet, or other insert from the mounting surface.

# SPACERS, WASHERS & BUSHINGS

## FLANGED BUSHINGS



### DIMENSIONS (IN.)

PART NUMBER	A	B	C	D	E	MATERIAL	COLOR
212PB-0338-0000	0.370	0.255	0.125	1.250	0.062	POLYETHYLENE	BLACK
212NN-0108-0000	0.370	0.296	0.297	0.609	0.109	NYLON	NATURAL
212NN-0162-0000	0.370	0.323	0.112	0.437	0.050	NYLON	NATURAL
212NN-0113-0000	0.370	0.323	0.187	0.437	0.050	NYLON	NATURAL
NBF550375255	0.372	0.255	0.584	0.550	0.062	NYLON	NATURAL
212NN-0313-0000	0.372	0.260	0.250	0.500	0.125	NYLON	NATURAL
212NN-0364-0000	0.375	0.125	0.578	0.750	0.094	NYLON	NATURAL
212LN-0222-0000	0.375	0.156	0.312	0.625	0.125	LINEAR POLY	WHITE
212NN-0367-0000	0.375	0.190	0.438	0.500	0.113	NYLON	NATURAL
212NN-0107-0000	0.375	0.192	0.447	0.625	0.070	NYLON	NATURAL
212NN-0254-0000	0.375	0.238	0.250	0.500	0.125	NYLON	NATURAL
212NN-0286-0000	0.375	0.250	0.421	0.435	0.050	NYLON	NATURAL
212NN-0143-0000	0.375	0.250	0.609	0.500	0.234	NYLON	NATURAL
212NN-0239-0000	0.375	0.252	0.484	0.500	0.234	NYLON	NATURAL
212NN-0226-0000	0.375	0.255	0.275	0.635	0.062	NYLON	NATURAL
212LN-0217-0000	0.375	0.256	0.745	0.750	0.062	LINEAR POLY	WHITE
212NN-0225-0000	0.375	0.263	0.437	0.500	0.062	NYLON	NATURAL
212NN-0252-0000	0.375	0.265	0.281	0.625	0.140	NYLON	NATURAL
212NN-0141-0000	0.375	0.273	0.750	0.500	0.040	NYLON	NATURAL
212NN-0312-0000	0.375	0.350	0.609	0.500	0.266	NYLON	NATURAL
212LN-0191-0000	0.377	0.255	0.750	0.500	0.062	LINEAR POLY	WHITE
212NN-0199-0000	0.377	0.265	0.750	0.500	0.062	NYLON	NATURAL
212PB-0104-0000	0.380	0.170	0.375	0.450	0.220	POLYETHYLENE	BLACK
212NN-0112-0000	0.380	0.256	0.500	0.500	0.062	NYLON	NATURAL
212NN-0136-0000	0.380	0.281	0.250	0.500	0.125	NYLON	NATURAL
212NN-0212-0000	0.386	0.255	0.297	0.719	0.156	NYLON	NATURAL
212NN-0314-0000	0.390	0.320	0.531	0.750	0.125	NYLON	NATURAL
NBF625066405	0.405	0.320	0.205	0.625	0.066	NYLON	NATURAL
212NN-0368-0000	0.406	0.165	0.437	0.625	0.070	NYLON	NATURAL
212NN-0165-0000	0.412	0.312	1.362	0.562	0.050	NYLON	NATURAL
NBF1064207265	0.425	0.265	0.135	1.000	0.060	NYLON	NATURAL
212NN-0117-0000	0.437	0.201	0.437	1.000	0.187	NYLON	NATURAL
212NN-0321-0000	0.437	0.250	0.750	1.000	0.250	NYLON	NATURAL
212NN-0257-0000	0.437	0.318	0.562	0.625	0.063	NYLON	NATURAL
212LN-0190-0000	0.437	0.318	0.578	0.625	0.075	LINEAR POLY	WHITE
212LN-0220-0000	0.437	0.320	0.312	0.625	0.062	LINEAR POLY	WHITE
212NN-0200-0000	0.437	0.325	0.625	0.625	0.093	NYLON	NATURAL
212NN-0138-0000	0.437	0.375	0.094	0.625	0.031	NYLON	NATURAL
212NN-0365-0000	0.438	0.250	0.563	0.625	0.063	NYLON	NATURAL
212NN-0253-0000	0.440	0.253	0.290	0.937	0.125	NYLON	NATURAL
212NN-0154-0000	0.443	0.260	0.312	0.562	0.062	NYLON	NATURAL
212LN-0192-0000	0.443	0.332	0.844	0.625	0.094	LINEAR POLY	WHITE
212NN-0175-0000	0.450	0.332	0.812	0.750	0.062	NYLON	NATURAL
212NN-0328-0000	0.462	0.337	0.625	0.625	0.062	NYLON	NATURAL
212CN-0351-0000	0.465	0.385	0.186	0.600	0.093	ACETAL	NATURAL
212NN-0218-0000	0.469	0.375	0.172	0.687	0.078	NYLON	NATURAL
212NN-0181-0000	0.469	0.375	0.250	0.687	0.062	NYLON	NATURAL
212CN-0125-0000	0.470	0.321	0.375	0.625	0.062	ACETAL	NATURAL
212NN-0337-0000	0.490	0.255	0.200	0.750	0.090	NYLON	NATURAL
212NN-0273-0000	0.495	0.250	0.503	0.560	0.030	NYLON	NATURAL
212NN-0251-0000	0.496	0.375	0.312	0.750	0.070	NYLON	NATURAL
212LN-0245-0000	0.500	0.250	0.266	1.000	0.172	LINEAR POLY	WHITE
NBF750500187	0.500	0.281	0.187	0.750	0.093	NYLON	NATURAL
212NN-0216-0000	0.500	0.281	0.750	0.875	0.250	NYLON	NATURAL
212LN-0133-0000	0.500	0.312	1.000	0.797	0.219	LINEAR POLY	WHITE
212LN-0187-0000	0.500	0.375	0.190	0.625	0.070	LINEAR POLY	WHITE
212LN-0346-0000	0.500	0.375	0.190	0.625	0.109	LINEAR POLY	WHITE
212LN-0260-0000	0.500	0.375	0.230	0.625	0.080	LINEAR POLY	WHITE
212NN-0147-0000	0.500	0.375	0.255	0.750	0.065	NYLON	NATURAL
212LN-0345-0000	0.500	0.375	0.315	0.625	0.062	LINEAR POLY	WHITE
212NN-0155-0000	0.500	0.375	0.375	0.625	0.062	NYLON	NATURAL
212NN-0310-0000	0.500	0.375	0.469	0.750	0.312	NYLON	NATURAL
212NN-0150-0000	0.500	0.375	0.500	0.750	0.062	NYLON	NATURAL
212LN-0271-0000	0.500	0.375	0.690	1.125	0.500	LINEAR POLY	WHITE
212NN-0123-0000	0.500	0.375	0.812	0.745	0.062	NYLON	NATURAL

### SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart



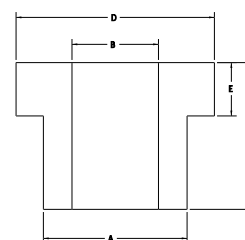
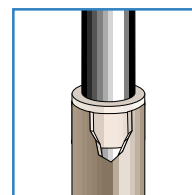
# SPACERS, WASHERS & BUSHINGS



## DIMENSIONS (IN.)

PART NUMBER	A	B	C	D	E	MATERIAL	COLOR
212NN-0153-0000	0.500	0.375	0.937	0.734	0.312	NYLON	NATURAL
212NN-0124-0000	0.500	0.380	0.375	0.750	0.078	NYLON	NATURAL
212NN-0101-0000	0.500	0.380	0.547	0.625	0.031	NYLON	NATURAL
212LN-0267-0000	0.500	0.382	0.562	1.000	0.062	LINEAR POLY	WHITE
212NB-0358-0000	0.505	0.375	0.700	0.750	0.200	NYLON	BLACK
NBF750125500	0.505	0.380	0.485	0.750	0.125	NYLON	NATURAL
212NN-0132-0000	0.510	0.392	0.372	0.637	0.062	NYLON	NATURAL
212NN-0127-0000	0.516	0.390	0.812	0.640	0.062	NYLON	NATURAL
212NN-0110-0000	0.520	0.453	0.203	0.625	0.047	NYLON	NATURAL
212NN-0354-0000	0.530	0.380	0.950	0.635	0.250	NYLON	NATURAL
212LN-0103-0000	0.531	0.203	0.750	0.625	0.125	LINEAR POLY	WHITE
212NN-0213-0000	0.531	0.382	0.781	0.656	0.109	NYLON	NATURAL
212NN-0324-0000	0.531	0.470	0.149	0.937	0.087	NYLON	NATURAL
212NN-0324-0000	0.531	0.470	0.149	0.937	0.087	NYLON	NATURAL
212NN-0323-0000	0.531	0.470	0.274	0.937	0.084	NYLON	NATURAL
212NN-0322-0000	0.531	0.470	0.555	0.937	0.087	NYLON	NATURAL
212NN-0242-0000	0.531	0.484	0.146	0.625	0.036	NYLON	NATURAL
212NN-0105-0000	0.560	0.380	0.812	0.750	0.250	NYLON	NATURAL
212NB-0299-0000	0.560	0.455	0.550	0.990	0.077	NYLON	BLACK
NBF201514312	0.563	0.500	0.472	0.787	0.059	NYLON	NATURAL
212NN-0193-0000	0.565	0.445	0.562	0.687	0.062	NYLON	NATURAL
212NN-0177-0000	0.570	0.385	0.625	0.750	0.086	NYLON	NATURAL
212NN-0350-0000	0.575	0.250	0.750	0.687	0.250	LINEAR POLY	WHITE
212NN-0164-0000	0.575	0.380	0.312	0.625	0.062	NYLON	NATURAL
212NN-0157-0000	0.575	0.472	0.320	0.625	0.062	NYLON	NATURAL
212NN-0316-0000	0.577	0.508	0.375	0.750	0.031	NYLON	NATURAL
212NN-0316-0000	0.578	0.508	0.375	0.750	0.031	NYLON	NATURAL
212NN-0228-0000	0.615	0.280	0.750	1.000	0.125	NYLON	NATURAL
212NN-0360-0000	0.625	0.378	0.375	1.125	0.125	NYLON	NATURAL
212NN-0210-0000	0.625	0.380	0.375	1.125	0.125	NYLON	NATURAL
212NN-0223-0000	0.625	0.385	0.594	0.750	0.094	NYLON	NATURAL
212NN-0342-0000	0.625	0.447	0.187	0.750	0.062	NYLON	NATURAL
212NN-0255-0000	0.625	0.503	0.238	0.750	0.066	NYLON	NATURAL
212NN-0203-0000	0.625	0.510	0.500	0.875	0.125	NYLON	NATURAL
212NN-0142-0000	0.625	0.520	0.422	0.797	0.062	NYLON	NATURAL
212NN-0137-0000	0.627	0.453	0.594	0.750	0.094	NYLON	NATURAL
212NN-0244-0000	0.628	0.506	1.440	0.750	0.060	NYLON	NATURAL
212NN-0167-0000	0.630	0.442	0.937	1.275	0.187	NYLON	NATURAL
212LN-0106-0000	0.630	0.442	1.687	1.250	0.437	LINEAR POLY	WHITE
212NN-0224-0000	0.630	0.522	0.520	0.750	0.062	NYLON	NATURAL
212NN-0131-0000	0.637	0.515	0.437	0.750	0.250	NYLON	NATURAL
212NN-0152-0000	0.665	0.565	0.687	0.750	0.040	NYLON	NATURAL
212NN-0214-0000	0.681	0.197	0.187	0.781	0.062	NYLON	NATURAL
212LN-0176-0000	0.687	0.578	0.781	0.922	0.047	LINEAR POLY	WHITE
212NN-0270-0000	0.690	0.406	0.437	0.750	0.125	NYLON	NATURAL
212LN-0219-0000	0.697	0.222	0.437	0.750	0.187	LINEAR POLY	WHITE
212NN-0120-0000	0.710	0.630	0.875	0.937	0.040	NYLON	NATURAL
212NN-0265-0000	0.745	0.635	0.125	0.844	0.047	NYLON	NATURAL
212CN-0340-0000	0.747	0.434	0.250	0.993	0.135	ACETAL	NATURAL
212NN-0343-0000	0.747	0.531	0.375	0.993	0.135	NYLON	NATURAL
212CN-0339-0000	0.750	0.422	0.625	0.984	0.125	ACETAL	NATURAL
212NN-0139-0000	0.750	0.650	0.125	0.844	0.047	NYLON	NATURAL
212NN-0249-0000	0.781	0.672	0.219	1.000	0.047	NYLON	NATURAL
212NN-0169-0000	0.781	0.675	0.375	1.000	0.047	NYLON	NATURAL
212LN-0269-0000	0.785	0.593	0.500	0.900	0.125	LINEAR POLY	WHITE
212NN-0237-0000	0.875	0.750	0.375	1.125	0.062	NYLON	NATURAL
212NN-0197-0000	0.875	0.765	0.875	1.125	0.125	NYLON	NATURAL
212NN-0309-0000	0.885	0.635	0.625	1.500	0.062	NYLON	NATURAL
212LN-0221-0000	0.906	0.760	0.250	1.125	0.062	LINEAR POLY	WHITE
212BB-0100-0000	0.925	0.800	0.885	1.000	0.080	BUTYRATE	BLACK
212BB-0148-0000	0.940	0.750	0.885	1.000	0.080	BUTYRATE	BLACK
212NN-0264-0000	1.000	0.760	0.437	1.375	0.125	NYLON	NATURAL
212LN-0341-0000	1.000	0.810	0.730	2.000	0.080	LINEAR POLY	WHITE
212LN-0109-0000	1.018	0.675	0.475	1.250	0.100	LINEAR POLY	WHITE

## FLANGED BUSHINGS

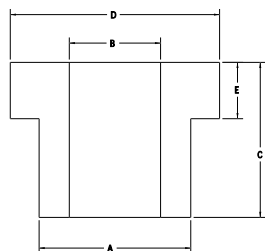
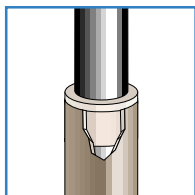


### SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

# SPACERS, WASHERS & BUSHINGS

## FLANGED BUSHINGS



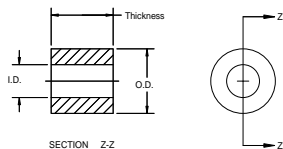
### DIMENSIONS (IN.)

PART NUMBER	A	B	C	D	E	MATERIAL	COLOR
212LN-0206-0000	1.075	0.980	0.500	1.500	0.047	LINEAR POLY	WHITE
212NN-0201-0000	1.250	1.000	0.578	1.328	0.203	NYLON	NATURAL
212NN-0202-0000	1.250	1.000	0.578	1.875	0.203	NYLON	NATURAL
212LN-0234-0000	1.375	1.250	0.594	1.625	0.094	LINEAR POLY	WHITE
212LN-0204-0000	1.394	1.245	0.588	1.634	0.090	LINEAR POLY	WHITE
212NN-0238-0000	1.500	1.330	0.375	1.750	0.062	NYLON	NATURAL
212NN-0215-0000	1.500	1.400	0.146	1.687	0.062	NYLON	NATURAL
212NN0325-0000	1.625	1.000	0.500	2.000	0.125	NYLON	NATURAL
212PB-0159-0000	1.740	1.540	0.781	1.875	0.060	POLYETHYLENE	BLACK
212NN-0233-0000	1.740	1.625	0.813	1.937	0.062	NYLON	NATURAL
212LN-0284-0000	1.875	1.625	0.812	2.062	0.062	LINEAR POLY	WHITE
212LN-0246-0000	1.875	1.750	0.812	2.062	0.062	LINEAR POLY	WHITE

### SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

## METRIC SPACERS



### DIMENSIONS (MM)

PART NUMBER	I.D.	O.D.	THICKNESS	QTY	MATERIAL	COLOR
MNS-36476	3.1	6.0	7.5	3,000	NYLON	NATURAL
MNS-36494	4.2	8.0	10.0	2,000	NYLON	NATURAL
MNS-36497	5.2	10.0	7.5	2,000	NYLON	NATURAL
MNS-36498	5.2	10.0	10.0	2,000	NYLON	NATURAL
MNS-36499	5.2	10.0	15.0	2,000	NYLON	NATURAL
MNS-12943	5.2	12.0	11.0	1,000	NYLON	NATURAL
MNS-36508	6.3	15.0	7.5	1,000	NYLON	NATURAL
MNS-10363	6.3	15.0	7.6	1,000	NYLON	NATURAL
MNS-36509	6.3	15.0	10.0	1,000	NYLON	NATURAL
MNS-36510	6.3	15.0	15.0	1,000	NYLON	NATURAL
MNS-61558	6.4	12.7	12.7	4,000	NYLON	NATURAL
MNS-36515	8.2	12.0	10.0	2,000	NYLON	NATURAL
MNS-36517	8.2	12.0	25.0	1,000	NYLON	NATURAL
MNS-36520	8.2	18.0	10.0	1,000	NYLON	NATURAL
MNS-36522	8.2	18.0	20.0	1,000	NYLON	NATURAL
MNS-36526	10.3	15.0	10.0	2,000	NYLON	NATURAL
MNS-32768	10.3	15.0	20.0	1,000	NYLON	NATURAL
MNS-32385	12.6	25.0	25.0	1,000	NYLON	NATURAL
MNS-36532	12.8	18.0	10.0	1,000	NYLON	NATURAL

### SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

### MNS Series

- Cost effective alternative to metal.
- Absorbs shocks and vibration.
- Self-lubricating.
- Range covers most diameters.



# SPACERS, WASHERS & BUSHINGS



PART NUMBER	DIMENSIONS (MM)			QTY	MATERIAL	COLOR
	A I.D.	B O.D.	C THK.			
MNW-34886	4.3	9.0	1.4	6,000	NYLON	NATURAL
MNW-36441	5.2	10.0	1.0	5,000	NYLON	NATURAL
MNW-32739	5.3	10.0	5.0	1,000	NYLON	NATURAL
MNW-36552	6.4	4.0	1.0	2,000	NYLON	BLACK
MNW-34888	6.4	12.0	1.6	5,000	NYLON	NATURAL
MNW-12474	6.4	12.7	4.9	5,000	NYLON	NATURAL
MNW-60939	6.4	14.3	1.6	7,000	NYLON	NATURAL
MNW-50504	6.4	14.3	3.2	5,000	NYLON	NATURAL
MNW-32743	6.4	18.0	2.0	3,000	NYLON	NATURAL
MNW-32744	6.4	30.0	3.0	1,000	NYLON	NATURAL
MNW-36444	6.5	15.0	3.0	1,000	NYLON	NATURAL
MNW-32748	8.4	17.0	2.0	4,000	NYLON	NATURAL
MNW-36452	10.2	17.0	2.0	3,000	NYLON	NATURAL
MNW-34889	10.5	21.0	2.5	3,000	NYLON	NATURAL
MNW-32756	17.2	30.0	3.0	2,000	NYLON	NATURAL
MNW-32758	21.0	37.0	3.0	1,000	NYLON	NATURAL
MNW-32759	22.2	34.0	1.5	1,000	NYLON	NATURAL
MNW-32760	23.2	38.0	1.7	1,000	NYLON	NATURAL

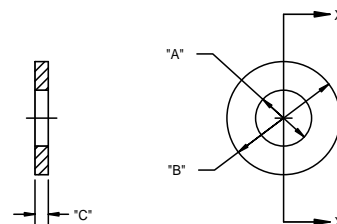
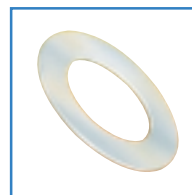
## SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

## MNW Series

- Insulates against moisture and electricity.
- Resists corrosion, abrasion and most chemicals.
- Provides full insulation, cushioning and spacing.

## METRIC WASHERS



PART NUMBER	DIMENSIONS (MM)				QTY	MATERIAL	COLOR
	A I.D.	B MINOR O.D.	C MAJOR O.D.	D LENGTH			
MNBF-36614	5.0	8.0	11.0	10.0	2,000	NYLON	NATURAL
MNBF-36615	6.0	9.0	12.0	6.0	2,000	NYLON	NATURAL
MNBF-36616	6.0	10.0	15.0	8.5	2,000	NYLON	NATURAL
MNBF-34902	8.0	11.0	16.0	13.0	2,000	NYLON	NATURAL
MNBF-36619	8.0	12.0	16.0	6.0	2,000	NYLON	NATURAL
MNBF-32772	8.0	14.0	20.0	10.0	1,000	NYLON	NATURAL
MNBF-34917*	10.0	12.0		12.0	1,000	NYLON	NATURAL
MNBF-36620	10.0	12.0	16.0	6.0	2,000	NYLON	NATURAL
MNBF-36621	10.0	13.0	18.0	8.0	2,000	NYLON	NATURAL
MNBF-32773	10.0	13.0	18.0	16.0	1,000	NYLON	NATURAL
MNBF-32439	10.0	14.0	20.0	10.0	1,000	NYLON	NATURAL
MNBF-36623	10.0	16.0	21.0	10.0	1,000	NYLON	NATURAL
MNBF-36624	12.0	14.0	20.0	10.0	1,000	NYLON	NATURAL
MNBF-32774	12.0	16.0	21.0	10.0	1,000	NYLON	NATURAL
MNBF-34903	12.0	16.0	21.0	19.0	1,000	NYLON	NATURAL
MNBF-36625*	16.0	20.0		15.0	1,000	NYLON	NATURAL
MNBF-32706	16.0	20.0	28.0	15.5	1,000	NYLON	NATURAL
MNBF-36630	18.0	22.0	30.0	25.0	1,000	NYLON	NATURAL
MNBF-36635	25.0	30.0	37.0	30.0	1,000	NYLON	NATURAL
MNBF-39133	28.0	33.0	40.0	33.0	1,000	NYLON	NATURAL

\*Without Flange

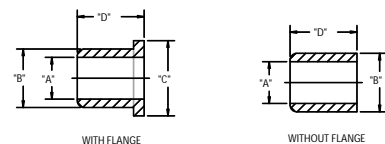
## SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

## MNBF Series

- Selflubricating.
- Low coefficient of friction.
- Ideal for anything that pivots or rotates.
- Impervious to moisture, dirt and most chemicals.
- Available with or without flange.

## METRIC FLANGED BUSHINGS



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