

THERMOPLASTIC - NYLON FLAT WASHERS AND SPACERS

The main advantages of **NYLON** as a washer material are its resistance to abrasion, repeated impacts, organic solvents, oils, gasoline and temperature extremes. It has good creep resistance (yielding to pressure) and ability to self-extinguish. **NYLON 6/6** is commonly used as punching grade stock and **NYLATRON G5®** is also popular for many applications. This special grade incorporates lubricating elements for better wear and has been heat stabilized. Washers are available to **ASTM-D-4066**, **MIL-M-20693** and other specifications. Washers made from other **POLYIMIDES**, such as **DELTRIN®** and **NOMEX** are also listed and many others are available.

CHART REFERENCES - Most standard part numbers used for Thermoplastics-Nylon washers are shown in the following charts. Where alternate part numbers are not shown, the washer material is indicated. For example, 6/6 is the most common nylon used for manufacturing purposes.

MTW - This symbol is used to indicated Motor Thrust Washers made from Nylatron for added lubricity, long wear and quiet performance in electric motors.

Polyethylene, to **ASTM-D-1248**, is a popular thermoplastic

material for washers used in conventional operating temperatures. It has good electrical properties and toughness, and thin grades have reasonable clarity.

POLYPROPYLENE is one of the most economical and popular forms of plastic used for flat washers today. Material characteristics include chemical resistance, living hinge, light weight, arc resistance, good dielectric strength and a flammability grade. Four grades are used; the General Purpose Grade has a **UL #E31765A**. The High Temperature Grade uses additives to sustain rigidity under high temperature condition. **FR Grade** is a flame retardant polypropylene with a **UL rating of SE-0 (1/8" thick)**.

The Gasketing Grade, used for sealing, has a durometer of 90-95. Washers made from this versatile material are ideal for a variety of insulating and mechanical applications. These washers seal, reduce vibration and act as component guides.

MYLAR® POLYESTER FILM - **EL** and **A** series - Washers made from this material are used in such applications as: carriers in microfilm, magnetic tape, carbon ribbons and metallic yarn; electrical barriers for capacitors, motors, membrane switches and wire and cable; and as thermal barriers in wire and cable tapes.

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
0	.035	.101	.031	5610-214-03
0	.042	.312	.031	
0	.050	.109	.020	DELTRIN
0	.063	.188	.021	MS51859-11
0	.063	.312	.031	5610-218-31
0	.063	.312	.090	FW312063090
0	.064	.122	.031	5610-50-31
0	.064	.190	.016	
0	.070	.250	.015	MTW-NYLATRON
0	.070	.281	.015	MTW-NYLATRON
0	.076	.156	.010	DELTRIN
0	.076	.156	.021	MS51859-12
0	.076	.160	.016	5610-4-15
0	.077	.240	.031	
0	.077	.500	.031	
1	.079	.501	.031	
1	.085	.190	.016	
2	.090	.250	.032	FW250090032
2	.090	.250	.062	FW250090062
2	.090	.250	.093	FW250090093
2	.090	.250	.125	FW250090125
2	.091	.280	.021	
2	.093	.187	.021	5610-9-20
2	.093	.187	.031	DELTRIN
2	.093	.187	.031	MS51859-1
2	.093	.245	.015	MS51859-13

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
2	.094	.193	.041	5610-9-40
2	.094	.218	.008	5610-6-8
2	.094	.218	.016	5610-6-15
2	.094	.218	.031	5610-6-31
2	.094	.218	.062	5610-6-62
2	.094	.230	.031	
2	.094	.255	.031	5610-11-31
2	.098	.187	.031	
2	.098	.187	.047	
2	.098	.187	.062	
2	.098	.223	.008	MYLAR
2	.098	.250	.031	
2	.098	.250	.062	
2	.098	.312	.031	
2	.098	.312	.062	
2	.098	.610	.062	POLYPROP
3	.100	.235	.010	ACETAL DELTRIN
3	.105	.250	.022	
3	.105	.250	.031	NAS1515-H02L
3	.105	.250	.062	NAS1515-H02
3	.108	.247	.021	5610-8-20
3	.108	.528	.062	
3	.109	.218	.016	
3	.110	.271	.045	
4	.115	.185	.031	5610-230-31
4	.115	.200	.031	5610-51-31

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Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
4	.115	.250	.032	FW250115032
4	.115	.250	.062	FW250115062
4	.115	.250	.093	FW250115093
4	.115	.280	.021	15083-020
4	.115	.250	.125	FW25011525
4	.115	.280	.051	5610-17-50
4	.115	.280	.062	5610-16-62
4	.115	.290	.062	
4	.120	.220	.021	5610-19-20
4	.120	.250	.031	
4	.120	.250	.047	
4	.120	.250	.062	
4	.120	.280	.021	5610-21-20
4	.120	.280	.031	
4	.120	.280	.041	
4	.120	.280	.051	5610-21-50
4	.120	.280	.062	5610-21-62
4	.120	.285	.071	5610-21-70
4	.120	.312	.031	
4	.120	.312	.047	
4	.120	.312	.062	
4	.120	.375	.031	
4	.120	.375	.047	
4	.120	.375	.062	
4	.125	.228	.007	MYLAR
4	.125	.250	.016	FM-6593
4	.125	.250	.021	
4	.125	.250	.062	
4	.125	.271	.020	
4	.125	.281	.047	MS51859-2
M3	.125	.285	.020	DIN125A
4	.125	.310	.016	5610-10-15
4	.125	.312	.031	NAS151-H04L
4	.125	.312	.062	NAS1515-H04
4	.125	.343	.031	MS5189-14
4	.125	.354	.031	DIN9021, ISO7093
4	.125	.365	.006	
4	.125	.500	.100	FW500125100
4	.128	.187	.011	5610-233-10
4	.128	.187	.021	227-0008-004
4	.128	.245	.011	5610-55-10
4	.128	.312	.005	MYLAR
4	.128	.312	.052	
4	.128	.440	.021	5610-23-20
4	.130	.250	.093	FW250130093
4	.130	.375	.008	310-1011-00

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
4	.130	.375	.031	
4	.133	.250	.015	MTW-NYLATRON
4	.133	.281	.015	MTW-NYLATRON
4	.136	.250	.062	FM-2670, DELRIN
4	.136	.375	.031	5610-12-32
6	.140	.250	.031	
6	.140	.250	.047	
6	.140	.250	.062	
6	.140	.250	.080	FW250140080
6	.140	.260	.082	
6	.140	.267	.031	5610-244-31
6	.140	.285	.110	FW250140110
6	.140	.285	.118	FW250140118
6	.140	.290	.031	5610-248-31
6	.140	.290	.062	
6	.140	.312	.031	5610-35-31
6	.140	.312	.032	FW312140032
6	.140	.312	.047	MS51859-3
6	.140	.312	.047	FW312140047
6	.140	.312	.062	FW312140062
6	.140	.375	.031	
6	.140	.375	.047	
6	.140	.375	.062	
6	.140	.750	.051	5610-34-50
6	.140	.312	.093	FW312140093
6	.140	.312	.125	FW312140125
6	.143	.375	.091	5610-58-91
6	.144	.270	.031	5610-59-31
6	.144	.315	.062	
6	.147	.250	.091	5610-250-90
6	.147	.250	.220	FW250147220
6	.147	.500	.031	5610-41-31
6	.147	.500	.062	5410-41-62
6	.147	.643	.031	5610-60-31
6	.149	.375	.031	NAS1515-H06L
6	.149	.375	.062	NAS1515-H06
6	.150	.312	.025	5610-44-25
6	.150	.312	.031	5610-44-31
6	.150	.345	.031	
6	.150	.510	.062	
6	.156	.250	.021	MS51859-15
6	.156	.312	.031	FM-6594
6	.156	.312	.041	MS51859-3
6	.156	.375	.031	5610-45-31
6	.156	.443	.051	
6	.158	.281	.015	MTW-NYLATRON

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Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
6	.158	.343	.015	MTW-NYLATRON
6	.158	.375	.015	MTW-NYLATRON
6	.158	.406	.015	MTW-NYLATRON
6	.160	.250	.062	5610-46-62
6	.160	.490	.008	
6	.160	.562	.062	5610-48-62
6	.162	.312	.062	FW312162062
6	.165	.235	.010	ACETAL DELRIN
6	.165	.500	.011	210-0847-00
6	.165	.500	.014	
6	.165	.625	.062	
6	.165	1.250	.062	
M4	.169	.354	.031	DIN125A, ISO7089
M4	.169	.472	.039	DIN9021, ISO7093
8	.171	.312	.031	3127, 760-2526
8	.171	.312	.047	3167, 760-2547
8	.171	.312	.062	
8	.171	.340	.031	
8	.171	.375	.031	
8	.171	.375	.032	FW375171032
8	.171	.375	.047	
8	.171	.375	.062	FW375151062
8	.171	.437	.031	
8	.171	.437	.047	
8	.171	.437	.062	
8	.171	.515	.091	5610-61-90
8	.171	.375	.093	FW375151093
8	.171	.375	.125	FW375151125
8	.174	.375	.021	5610-18-20
8	.174	.375	.031	NAS1515-H08L
8	.174	.375	.062	NAS1515-H08
8	.175	.271	.025	
8	.178	.375	.020	
8	.180	.281	.031	MTW-NYLATRON
8	.180	.375	.015	MTW-NYLATRON
8	.180	.406	.015	MTW-NYLATRON
8	.182	.375	.008	MYLAR
8	.185	.362	.062	
8	.185	.437	.031	POLYETHYLENE
8	.185	.437	.031	5610-62-31
8	.185	.437	.041	5610-62-40
8	.187	.375	.015	5610-90-15
8	.187	.375	.032	FW375187032
8	.187	.375	.045	MS51859-4
8	.187	.375	.062	5610-90-92
8	.187	.390	.031	

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
8	.187	.437	.032	
8	.187	.437	.045	
8	.187	.500	.020	BLK VINAL PLASTIC
8	.187	.500	.093	FW500187093
8	.187	1.000	.250	167LN-0214-0000
8	.189	.281	.015	MTW-NYLATRON
8	.189	.343	.015	MTW-NYLATRON
8	.189	.375	.031	MTW-NYLATRON
8	.189	.406	.015	MTW-NYLATRON
8	.189	.437	.015	MTW-NYLATRON
8	.189	.625	.057	
8	.189	1.005	.031	
10	.190	.434	.125	FW434190125
10	.192	.312	.016	5610-96-15
10	.192	.375	.031	5606-4-31
10	.192	.438	.021	6/6
10	.192	.505	.015	5606-8-15
10	.194	.375	.032	FW375194032
10	.194	.375	.062	FW375194062
10	.194	.375	.093	FW375194093
10	.194	.375	.125	FW375194125
10	.194	.500	.125	FW500194125
10	.195	.312	.190	167LN-0550-0000
10	.196	.427	.031	6/6
10	.196	.312	.031	
10	.196	.312	.047	
10	.196	.312	.062	
10	.196	.375	.031	
10	.198	.375	.047	
10	.196	.375	.062	
10	.196	.437	.031	
10	.196	.437	.047	
10	.196	.437	.062	
10	.198	.500	.031	
10	.196	.500	.047	
10	.196	.500	.062	
10	.196	.550	.031	6/6
10	.196	.562	.031	MTW-NYLATRON
10	.200	.437	.062	FW437200062
10	.200	.450	.048	FW450200048
10	.201	.309	.031	5610-63-31
10	.201	.500	.041	6/6
10	.201	.562	.041	6/6
10	.203	.307	.011	6/6
10	.203	.437	.031	NAS1515-H3L
10	.203	.437	.041	6/6

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Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
10	.203	.437	.062	NAS1515-H3
10	.203	.437	.092	NAS1515-H3H
10	.203	.470	.041	5610-108-40
10	.203	.625	.500	167PB-0477-0000
10	.205	.307	.010	6/6
10	.205	.450	.041	6/6
10	.205	.465	.051	6/6
10	.205	.500	.091	5610-64-90
10	.205	.500	.510	167NN-0433-0000
10	.208	.280	.021	5610-109-20
M5	.208	.393	.039	DIN125A, ISO7089
M5	.208	.590	.062	DIN9021, ISO7093
10	.210	.300	.031	6/6
10	.210	.312	.031	5610-287-31
10	.210	.450	.041	6/6
10	.212	.370	.090	FW370212090
10	.214	.470	.041	6/6
10	.218	.375	.052	6/6
10	.218	.406	.011	210-1098-00
10	.218	.437	.015	MTW-NYLATRON
10	.218	.437	.031	6/6
10	.218	.437	.041	MS51859-5
10	.218	.437	.062	6/6
10	.218	.625	.041	MS51859-16
10	.218	.750	.187	167LN-2349-0000
10	.219	.500	.719	167NB-0654-0000
10	.220	.435	.078	FW435220078
10	.223	.375	.031	6/6
12	.225	.415	.050	FW415225050
12	.225	.437	.062	6/6
12	.225	.500	.041	6/6
12	.228	.375	.118	FW375228118A
12	.230	.440	.040	ABS
12	.237	.375	.031	MTW-NYLATRON
12	.237	.437	.031	MTW-NYLATRON
12	.250	.312	.031	6/6
12	.250	.350	.031	6/6
12	.250	.375	.020	6/6
12	.250	.375	.062	6/6
12	.250	.562	.260	167NN-0429-0000
12	.250	.610	.062	5610-290-62
12	.250	.625	.375	167NN-0657-0000
12	.250	.690	.041	6/6
12	.250	.750	.250	167PB-0580-0000
12	.250	.760	.125	167LN-0565-0000
1/4	.251	.452	.062	MTW-NYLATRON

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
M6	.251	.492	.062	DIN125A, ISO7089
1/4	.251	.500	.062	MTW-NYLATRON
1/4	.251	.562	.031	MTW-NYLATRON
1/4	.251	.687	.031	MTW-NYLATRON
M6	.251	.708	.062	DIN9021, ISO7093
1/4	.252	.375	.031	MTW-NYLATRON
1/4	.252	.406	.031	MTW-NYLATRON
1/4	.252	.437	.031	MTW-NYLATRON
1/4	.252	.472	.059	FW472252059
1/4	.252	.620	.060	FW620252065
1/4	.252	.625	.015	MTW-NYLATRON
1/4	.252	.752	.062	5610-69-62
1/4	.253	.437	.016	5606-12-15
1/4	.253	.437	.031	5606-12-31
1/4	.253	.443	.125	FW443253125
1/4	.253	.506	.041	5606-16-40
1/4	.253	.568	.062	5606-20-62
1/4	.253	.625	.250	167LN-2211-0000
1/4	.253	.687	.021	6/6
1/4	.253	.750	.062	167LN-2356-0000
1/4	.255	.330	.007	MYLAR
1/4	.255	.375	.021	5610-120-20
1/4	.255	.375	.062	5610-120-62
1/4	.255	.375	.115	FW375255115
1/4	.257	.500	.312	167NN-0468-0000
1/4	.257	.500	.031	5610-293-31
1/4	.257	.500	.032	FW500257032
1/4	.257	.500	.062	FW500257062
1/4	.257	.500	.093	FW500257093
1/4	.257	.500	.125	FW500257125
1/4	.257	.562	.062	5610-124-62
1/4	.257	.740	.062	RULON
1/4	.260	.437	.031	
1/4	.260	.437	.047	
1/4	.260	.437	.062	
1/4	.260	.500	.031	
1/4	.260	.500	.047	
1/4	.260	.500	.062	
1/4	.260	.562	.062	FM-2518
1/4	.260	.562	.562	167PB-0603-0000
1/4	.260	.600	.031	5610-125-31
1/4	.260	.625	.031	
1/4	.260	.625	.047	
1/4	.260	.625	.062	
1/4	.260	.688	.051	6/6
1/4	.260	.750	.031	

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Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
1/4	.260	.750	.047	3185, 760-2557
1/4	.260	.750	.062	3220, 760-2574
1/4	.260	.880	.002	MYLAR
1/4	.265	.500	.031	NAS1515-H4L
1/4	.265	.500	.062	NAS1515-H4
1/4	.265	.500	.094	NAS1515-H4H
1/4	.269	.520	.015	MTW-NYLATRON
1/4	.275	.500	.062	6/6
1/4	.275	.562	.062	6/6
1/4	.281	.500	.045	6/6
1/4	.281	.562	.062	MS51859-17
1/4	.281	.325	.015	5610-302-15
1/4	.281	.409	.078	FW409281078
1/4	.281	.625	.062	5610-302-62
1/4	.281	.625	.045	MS51859-6
1/4	.281	.625	.062	FM-6597
1/4	.281	.875	.031	MS51859-18
1/4	.285	.493	.020	6/6
1/4	.286	.500	.103	167NN-0641-0000
1/4	.307	.490	.032	6/6
1/4	.312	.437	.062	167LN-0600-0000
1/4	.312	.437	.187	FW437312187
5/16	.314	.500	.031	MTW-NYLATRON
5/16	.314	.500	.062	MTW-NYLATRON
5/16	.314	.520	.015	MTW-NYLATRON
5/16	.314	.562	.015	MTW-NYLATRON
5/16	.314	.687	.031	MTW-NYLATRON
5/16	.315	.420	.031	6/6
5/16	.315	.507	.015	5606-24-15
5/16	.315	.507	.021	5606-24-20
5/16	.315	.615	.026	6/6
5/16	.315	.625	.031	MTW, 5610-307-31
5/16	.317	.500	.031	MS1848-19
5/16	.317	.500	.032	FW500317032
5/16	.317	.500	.062	FW500317062
5/16	.317	.500	.093	FW500317093
5/16	.317	.500	.125	FW500317125
5/16	.320	.438	.062	6/6
5/16	.320	1.500	.021	6/6
5/16	.325	.750	.015	6/6
5/16	.325	.500	.847	167BB-0518-0000
M8	.330	.669	.062	DIN125A, ISO7089
M8	.330	.985	.078	DIN125A, ISO7093
5/16	.328	.504	.045	210-1261-00

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
5/16	.328	.562	.031	NAS1515-H5L
5/16	.328	.562	.062	NAS1515-H5
5/16	.328	.562	.094	NAS1515-H5H
5/16	.330	.520	.016	5610-144-16
5/16	.338	.437	.015	MTW-NYLATRON
5/16	.339	.775	.315	FW775339315
5/16	.344	.625	.045	MS51859-7
5/16	.365	.750	.062	6/6
5/16	.365	1.125	.062	6/6
5/16	.375	.440	.062	6/6
5/16	.375	.500	.062	5610-76-62
5/16	.375	.625	.031	FM STD
5/16	.375	.750	.031	5610-77-31
5/16	.375	.750	.062	5610-77-62, 2679
5/16	.375	.875	.375	167NN-0631-0000
5/16	.375	1.000	.021	6/6
5/16	.376	.546	.484	167NN-0519-0000
3/8	.378	.630	.011	5606-28-10
3/8	.379	.812	.062	5610-149-62
3/8	.380	.625	.032	FW625380032
3/8	.380	.625	.062	FW625380062
3/8	.380	.625	.093	FW625380093
3/8	.380	.625	.125	FW625380125
3/8	.383	.684	.062	5610-81-62
3/8	.385	.500	.031	3145, 760-2537
3/8	.385	.500	.047	3190, 760-2558
3/8	.385	.500	.062	3225, 760-2575
3/8	.385	.625	.031	3354, 760-2517
3/8	.385	.625	.047	3191, 760-2559
3/8	.385	.625	.062	3226, 760-2515
3/8	.385	.750	.031	3146, 760-2538
3/8	.385	.750	.047	3192, 760-2560
3/8	.385	.750	.062	3227, 760-2516
3/8	.385	1.000	.031	3147, 760-2539
3/8	.385	1.000	.047	3193, 760-2561
3/8	.385	1.000	.062	3228, 760-2576
3/8	.390	.500	.021	6/6
3/8	.390	.615	.031	6/6
3/8	.390	.625	.016	BACW10P274G
3/8	.390	.625	.031	NAS1515-H6L
3/8	.390	.625	.062	NAS1515-H6
3/8	.390	.625	.094	NAS1515-H6H
3/8	.390	.750	.151	GOVT # - BLK
3/8	.390	.875	.031	# 101 NYLON

THERMOPLASTIC - NYLON FLAT WASHERS AND SPACERS

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
3/8	.400	.500	.062	
3/8	.406	.812	.047	MS51859-8
3/8	.406	1.000	.081	MS51859-20
3/8	.410	.730	.160	FM-MOLDED
M10	.413	.825	.078	DIN125A, ISO7089
M10	.413	1.181	.098	DIN9021, ISO7093
7/16	.437	.687	.062	MTW-NYLATRON
7/16	.440	.692	.016	5605-32-15
7/16	.443	.750	.032	FW750443032
7/16	.443	.750	.062	FW750443062
7/16	.443	.750	.093	FW750443093
7/16	.443	.750	.125	FW750443125
7/16	.453	.750	.031	NAS1515-H7L
7/16	.453	.750	.062	NAS1515-H7
7/16	.453	.750	.094	NAS1515-H7H
7/16	.455	1.000	.062	5610-162-62
7/16	.460	1.750	.031	MS51859-21
7/16	.475	.687	.062	MTW-NYLATRON
7/16	.469	.922	.047	MS51859-9
7/16	.482	.780	.031	6/6
7/16	.490	.745	.062	6/6
1/2	.500	1.125	.093	6/6
1/2	.503	.756	.032	5606-44-32
1/2	.505	.688	.025	210-1429-00
1/2	.505	.750	.032	FW75050532
1/2	.505	.750	.062	FW750505062
1/2	.505	.750	.093	FW50505093
1/2	.505	.750	.125	FW750505125
1/2	.505	.843	.031	MTW-NYLATRON
1/2	.505	.875	.031	5610-170-31
1/2	.505	1.000	.062	FM
1/2	.510	.906	.015	5610-173-15
M12	.511	.995	.098	DIN125A, ISO7089
M12	.511	1.575	.118	DIN125A, ISO7093
1/2	.515	.750	.062	
1/2	.515	.875	.031	NAS1515-H8L
1/2	.515	.875	.062	NAS1515-H8
1/2	.515	.875	.094	NAS1515-H8H
1/2	.516	.656	.011	5610-175-15
1/2	.530	1.062	.047	MS51859-10
1/2	.530	1.621	.021	MS51848-22
1/2	.535	1.000	.062	

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
1/2	.535	1.250	.120	
1/2	.540	.732	.051	
1/2	.545	.760	.021	
9/16	.565	.818	.031	5606-48-31
9/16	.578	1.062	.031	NAS1515-H9L
9/16	.578	1.062	.062	NAS1515-H9
9/16	.578	1.062	.094	NAS1515-H9H
9/16	.605	1.595	.031	
9/16	.605	1.595	.062	
9/16	.625	1.062	.094	167NN-0583-0000
9/16	.628	.882	.031	5606-52-31
9/16	.629	1.125	.128	167NN-0579-0000
9/16	.630	.812	.062	5610-190-62
5/8	.640	1.188	.031	NAS1515-H10L
5/8	.640	1.188	.062	NAS1515-H10
5/8	.640	1.188	.094	NAS1515-H10H
5/8	.640	1.312	.062	5610-364-62
M16	.669	1.181	.118	DIN125A, ISO7089
5/8	.689	.812	.031	5610-199-31
5/8	.690	.943	.031	5606-60-31
5/8	.753	1.000	.062	5606-64-62
5/8	.755	1.125	.031	210-0922-00
5/8	.765	.250	.125	167LN-0565-0000
5/8	.765	1.312	.031	NAS1515-H12L
5/8	.765	1.312	.062	NAS1515-H12
5/8	.765	1.312	.094	NAS151-H12H
5/8	.767	1.317	.062	6/6
M20	.825	1.456	.118	DIN125A, ISO7089
7/8	.870	1.500	.031	6/6
7/8	.880	1.750	.062	6/6
7/8	.890	1.500	.031	NAS1515-H14L
7/8	.890	1.500	.062	NAS1515-H14
7/8	.890	1.500	.094	NAS1515-H14H
1"	1.005	1.940	.112	6/6
1"	1.015	1.750	.062	NAS1515-H16
1"	1.060	2.250	.054	12300137-PLASTIC
1-1/4	1.281	1.750	.031	5610-213-31
2-5/16	2.312	2.810	.125	12307267-2
2-5/16	2.312	2.810	.250	12307267-1
2-7/16	2.440	2.875	.406	12294962
2-7/16	2.440	3.060	.050	12297804-2
2-7/16	2.440	3.060	.115	12297804-1

THERMOPLASTIC - NYLON FLAT WASHERS AND SPACERS

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
5/8	.755	1.125	.031	210-0922-00
5/8	.765	.250	.125	167LN-0565-0000
5/8	.765	1.312	.031	NAS1515-H12L
5/8	.765	1.312	.062	NAS1515-H12
5/8	.765	1.312	.094	NAS151-H12H
5/8	.767	1.317	.062	6/6
M20	.825	1.456	.118	DIN125A, ISO7089
7/8	.870	1.500	.031	6/6
7/8	.880	1.750	.062	6/6
7/8	.890	1.500	.031	NAS1515-H14L
7/8	.890	1.500	.062	NAS1515-H14

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
7/8	.890	1.500	.094	NAS1515-H14H
1"	1.005	1.940	.112	6/6
1"	1.015	1.750	.062	NAS1515-H16
1"	1.060	2.250	.054	12300137-PLASTIC
1-1/4	1.281	1.750	.031	5610-213-31
2-5/16	2.312	2.810	.125	12307267-2
2-5/16	2.312	2.810	.250	12307267-1
2-7/16	2.440	2.875	.406	12294962
2-7/16	2.440	3.060	.050	12297804-2
2-7/16	2.440	3.060	.115	12297804-1

THERMOPLASTICS - TEFLON FLAT WASHERS

VIRGIN TEFLON, due to the molecular structure of its resin, is almost universally inert. Washers made from this material are impermeable to most corrosive liquids, vapors and gasses, even at elevated temperatures or when under pressure or in a vacuum.

The material also has excellent electrical and dielectric properties. A tendency to creep or cold flow under compressive load, limits the use of these washers in mechanical applications.

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
0	.036	.201	.010	
0	.042	.135	.010	
0	.062	.201	.062	
0	.077	.156	.015	
2	.091	.250	.010	
3	.094	.312	.021	
3	.098	.185	.031	
3	.100	.220	.031	
3	.105	.250	.031	NAS1515-M02L
3	.105	.250	.062	NAS1515-M02
3	.110	.250	.031	
4	.120	.185	.015	
4	.120	.185	.021	
4	.122	.312	.011	
4	.125	.250	.005	
4	.125	.250	.031	

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
4	.125	.312	.031	NAS1515-M04L
4	.125	.312	.062	NAS1515-M04
4	.130	.350	.025	
4	.130	.510	.015	
4	.130	.375	.015	
4	.130	.375	.062	
5	.135	.250	.032	
5	.135	.280	.015	
5	.135	.375	.002	
5	.140	.200	.050	BACW10P287TF
5	.142	.250	.062	
6	.149	.278	.015	
6	.149	.375	.031	NAS1515-M06L
6	.149	.375	.062	NAS1515-M06
6	.165	.500	.055	
6	.165	.800	.021	

THERMOPLASTICS - TEFLON FLAT WASHERS

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
8	.170	.410	.021	
8	.174	.365	.021	
8	.174	.375	.010	
8	.174	.375	.031	NAS1515-M08L
8	.174	.375	.062	NAS1515-M08
8	.180	.235	.015	
8	.180	.235	.018	
8	.185	.235	.015	
8	.185	.235	.021	
8	.185	.271	.041	
8	.185	.620	.021	
8	.187	.281	.062	
8	.187	.625	.050	
10	.190	.275	.045	
10	.190	.500	.010	
10	.195	.220	.031	
10	.203	.270	.040	
10	.203	.438	.031	NAS1515-M3L
10	.203	.438	.062	NAS1515-M3
10	.203	.438	.093	NAS1515-M3H
12	.215	.330	.020	
12	.220	.365	.031	
12	.235	.505	.010	
1/4	.250	.281	.050	TEFLONSPACER
1/4	.250	.355	.015	
1/4	.250	.490	.005	
1/4	.250	.680	.008	
1/4	.255	.375	.031	
1/4	.255	.505	.016	
1/4	.255	.515	.031	
1/4	.255	.530	.016	
1/4	.255	.625	.016	
1/4	.260	.565	.020	
1/4	.265	.390	.020	
1/4	.265	.438	.010	
1/4	.265	.500	.031	NAS1515-M4L

Screw Size	Nominal Dimensions			Alternate Part Number
	I.D.	O.D.	Thick	
1/4	.265	.500	.062	NAS1515-M4
1/4	.265	.525	.010	
1/4	.265	.525	.031	
1/4	.275	.375	.052	
5/16	.312	.440	.031	
5/16	.312	.515	.031	
5/16	.312	.677	.016	
5/16	.312	.875	.020	
5/16	.316	.625	.020	
5/16	.316	.677	.062	
5/16	.325	.750	.010	
5/16	.325	.800	.020	
5/16	.328	.510	.016	BACW10P219F
5/16	.343	.562	.062	AMS3651
3/8	.385	.562	.020	
3/8	.390	.490	.100	BACW10P293TF
3/8	.390	.750	.062	350AS279
3/8	.405	.562	.020	
3/8	.405	1.000	.016	
7/16	.453	.750	.031	NAS1515-M7L
7/16	.453	.750	.062	NAS1515-M7
7/16	.460	.755	.034	
1/2	.515	.875	.031	NAS1515-M8L
1/2	.515	.875	.062	NAS1515-M8
1/2	.535	.645	.062	
1/2	.568	1.015	.031	
9/16	.578	1.062	.031	NAS1515-M9L
9/16	.578	1.062	.062	NAS1515-M9
5/8	.640	1.188	.031	NAS1515-M10L
5/8	.640	1.188	.062	NAS1515-M10
3/4	.765	1.312	.031	NAS1515-M12L
3/4	.765	1.312	.062	NAS1515-M12
7/8	.875	1.250	.062	
1"	1.015	1.750	.031	NAS1515-M16L
1-1/4	1.285	1.385	.031	