

WASHERS, SHOULDER WASHERS & SCREW INSULATORS

SHOULDER WASHERS

Molded in **Natural Nylon 6/6**

SECTION
IV

Nylon Shoulder Washers are suitable for a large variety of insulation and mechanical applications.

► THEY INSULATE ► REDUCE VIBRATION ► ACT AS SPACERS AND GUIDES ► STRONG AND CORROSION RESISTANT ► CAN BE USED AS SEAL IN SOME APPLICATIONS

**New
SIZES**

ITEM NUMBER	DESCRIPTION	SHANK LENGTH		OD	THICKNESS		SHANK OD		ID
12SWS3650	SWS 3650	7/64	(2,77)	1.000 (25,40)	5/64	(1,98)	.770	(19,56)	.508 (12,90)
12SWS3680	SWS 3680	1/16	(1,59)	1.000 (25,40)	1/16	(1,59)	.298	(7,57)	.203 (5,16)
12SWS3681	SWS 3681	.100	(2,54)	1.230 (31,24)	.060	(1,52)	.725	(18,41)	.585 (14,85)
12SWS3682	SWS 3682	1.190	(30,22)	1.060 (26,92)	.060	(1,52)	.880	(22,35)	.750 (19,05)
12SWS3683	SWS 3683	.500	(12,70)	.622 (15,79)	.062	(1,57)	.443	(11,25)	.328 (8,33)
12SWS3684	SWS 3684	.100	(2,54)	1.250 (31,75)	.212	(5,38)	.940	(23,88)	.340 (8,64)
12SWS3685	SWS 3685	1/16	(1,59)	1.064 (27,02)	1/16	(1,59)	.787	(19,99)	.612 (15,54)
12SWS3686	SWS 3686	9/32	(7,14)	1.105 (28,07)	.095	(2,41)	.718	(18,24)	.515 (13,08)
12SWS3687	SWS 3687	.118	(3,00)	1.102 (27,99)	.039	(0,99)	.906	(23,01)	.827 (21,01)
12SWS3688	SWS 3688	.313	(7,95)	1.130 (28,70)	.062	(1,57)	.880	(22,35)	.750 (19,05)
12SWS3689	SWS 3689	.313	(7,95)	1.130 (28,70)	.062	(1,57)	.880	(22,35)	.758 (19,25)
12SWS3690	SWS 3690	7/16	(11,11)	1.125 (28,58)	3/32	(2,38)	.700	(17,78)	.510 (12,95)
12SWS3691	SWS 3691	.060	(1,52)	1.160 (29,46)	.128	(3,25)	.495	(12,57)	.377 (9,58)
12SWS3693	SWS 3693	.422	(10,72)	1.250 (31,75)	.156	(3,96)	1.002	(25,45)	.818 (20,78)
12SWS3694	SWS 3694	.250	(6,35)	1.125 (28,58)	.187	(4,75)	.718	(18,24)	.515 (13,08)
12SWS3695	SWS 3695	.125	(3,18)	1.250 (31,75)	.045	(1,14)	.480	(12,19)	.380 (9,65)
12SWS3696	SWS 3696	.100	(2,54)	1.250 (31,75)	.150	(3,81)	1.000	(25,40)	.340 (8,64)
12SWS3697	SWS 3697	.100	(2,54)	1.250 (31,75)	.212	(5,38)	1.000	(25,40)	.340 (8,64)
12SWS3698	SWS 3698	.220	(5,59)	1.500 (38,10)	.120	(3,05)	1.000	(25,40)	.810 (20,57)
12SWS3699	SWS 3699	.118	(3,00)	1.181 (30,00)	.079	(2,01)	.374	(9,50)	.197 (5,00)
12SWS3998	SWS 3998	.250	(6,35)	1.248 (31,70)	.130	(3,30)	.875	(22,23)	.627 (15,93)
12SWS3999	SWS 3999	.485	(12,32)	1.250 (31,75)	.130	(3,30)	.875	(22,23)	.480 (12,19)
12SWS4000	SWS 4000	7/16	(11,10)	1 3/16 (30,15)	1/16	(1,59)	1	(25,40)	.766 (19,46)
12SWS4001	SWS 4001	3/32	(2,38)	1.125 (28,58)	1/16	(1,59)	.740	(18,80)	.515 (13,08)
12SWS4002	SWS 4002	3/32	(2,38)	1.235 (31,36)	1/16	(1,59)	.984	(24,99)	.510 (12,95)
12SWS4003	SWS 4003	9/32	(7,14)	1.105 (28,07)	1/8	(3,18)	.752	(19,10)	.515 (13,08)
12SWS4004	SWS 4004	1/2	(12,70)	1.245 (31,69)	1/8	(3,18)	.875	(22,23)	.627 (15,92)
12SWS4005	SWS 4005	13/32	(10,32)	1.252 (31,80)	1/16	(1,59)	.600	(15,24)	.538 (13,66)
12SWS4006	SWS 4006	13/32	(10,32)	1.251 (31,77)	1/16	(1,59)	.528	(13,41)	.471 (11,96)
12SWS4007	SWS 4007	13/64	(5,16)	1.739 (44,17)	13/64	(5,16)	1.095	(27,81)	.435 (11,04)
12SWS4008	SWS 4008	11/32	(8,71)	1.250 (31,75)	5/32	(3,97)	.995	(25,27)	.885 (22,48)
12SWS4009	SWS 4009	3/4	(19,05)	1 1/8 (28,57)	1/16	(1,59)	7/16	(11,11)	5/16 (7,94)
12SWS4010	SWS 4010	3/32	(2,38)	1.250 (31,75)	1/16	(1,59)	.930	(23,62)	.562 (14,27)
12SWS4011	SWS 4011	.094	(2,39)	1.250 (31,75)	.062	(1,57)	.989	(25,12)	.562 (14,27)
12SWS4012	SWS 4012	.060	(1,52)	1.650 (41,91)	.060	(1,52)	1.380	(35,05)	1.125 (28,58)
12SWS4013	SWS 4013	5/8	(15,88)	1-3/4 (44,45)	1/8	(3,18)	1-3/8 (34,93)		1.015 (25,78)
12SWS4014	SWS 4014	.238	(6,04)	1.501 (38,12)	.133	(3,38)	1.248	(31,70)	.942 (23,92)
12SWS4016	SWS 4016	.100	(2,54)	1.250 (31,75)	.250	(6,35)	.419	(10,64)	.254 (6,45)
12SWS4017	SWS 4017	.170	(4,32)	1.570 (39,88)	.175	(4,45)	1.055	(26,80)	.887 (22,53)
12SWS4018	SWS 4018	.250	(6,35)	1.500 (38,10)	.120	(3,05)	.615	(15,62)	.265 (6,73)
12SWS4019	SWS 4019	.309	(7,85)	1.365 (34,67)	.128	(3,25)	1.120	(28,45)	.870 (22,10)
12SWS4020	SWS 4020	5/16	(7,92)	2 21/64 (59,13)	1/8	(3,18)	.968	(24,59)	.770 (19,56)
12SWS4021	SWS 4021	.138	(3,51)	1.929 (49,00)	.079	(2,01)	1.063	(27,00)	.906 (23,01)
12SWS4022	SWS 4022	.313	(7,95)	1.500 (38,10)	.125	(3,18)	1.365	(34,67)	1.000 (25,40)
12SWS5000	SWS 5000	5/8	(15,88)	1.952 (49,58)	.125	(3,18)	31/64	(12,29)	.380 (9,65)
12SWS5001	SWS 5001	1/2	(12,70)	2.065 (52,45)	1/8	(3,18)	1.050	(26,67)	.806 (20,42)
12SWS5002	SWS 5002	.500	(12,70)	2.065 (52,45)	.125	(3,18)	1.050	(26,67)	.783 (19,89)
12SWS5003	SWS 5003	.305	(7,75)	1.989 (50,52)	.129	(3,28)	1.743	(44,27)	1.326 (33,68)
12SWS5009	SWS 5009	45/64	(17,85)	2.111 (53,62)	1/8	(3,18)	.603	(15,31)	.270 (6,85)
12SWS5050	SWS 5050	1/2	(12,70)	1.525 (38,74)	1/16	(1,57)	3/4	(19,05)	.645 (16,38)

