

# WASHERS, SHOULDER WASHERS & SCREW INSULATORS

## SECTION IV

### NYLON SHOULDER WASHERS

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



- ▶ THEY SEAL
- ▶ REDUCE VIBRATION
- ▶ ACT AS SPACERS AND GUIDES
- ▶ STRONG AND CORROSION RESISTANT

**New Sizes**

| ITEM NUMBER | DESCRIPTION | L            | A            | B            | C           | D           |
|-------------|-------------|--------------|--------------|--------------|-------------|-------------|
| 12SWS0152   | SWS 152     | 3/64 (1,19)  | .105 (2,67)  | 3/64 (1,19)  | .084 (2,13) | .061 (1,55) |
| 12SWS0155   | SWS 155     | .060 (1,52)  | .125 (3,18)  | .030 (0,76)  | .080 (2,03) | .055 (1,40) |
| 12SWS0156   | SWS 156     | 1/32 (0,79)  | .228 (5,79)  | 1/32 (0,79)  | .122 (3,10) | .093 (2,36) |
| 12SWS0157   | SWS 157     | .035 (0,89)  | .235 (5,97)  | .095 (2,41)  | .147 (3,73) | .115 (2,92) |
| 12SWS0158   | SWS 158     | .250 (6,35)  | .187 (4,75)  | .047 (1,19)  | .120 (3,05) | .090 (2,29) |
| 12SWS0159   | SWS 159     | .206 (5,28)  | .187 (4,75)  | .156 (3,96)  | .156 (3,96) | .096 (2,44) |
| 12SWS0180   | SWS 180     | .075 (1,91)  | .181 (4,60)  | 3/64 (1,19)  | .120 (3,05) | .045 (1,14) |
| 12SWS0183   | SWS 183     | 1/32 (0,79)  | .182 (4,62)  | 5/64 (1,98)  | .125 (3,18) | .085 (2,16) |
| 12SWS0184   | SWS 184     | 1/32 (0,79)  | .189 (4,80)  | 1/16 (1,59)  | .119 (3,02) | .095 (2,41) |
| 12SWS0185   | SWS 185     | .106 (2,69)  | .433 (10,10) | .161 (4,09)  | .259 (6,58) | .197 (5,00) |
| 12SWS0186   | SWS 186     | .088 (2,24)  | .228 (5,79)  | .039 (0,99)  | .140 (3,56) | .098 (2,49) |
| 12SWS0187   | SWS 187     | 1/64 (0,41)  | .187 (4,75)  | 1/32 (0,79)  | .119 (3,02) | .089 (2,26) |
| 12SWS0188   | SWS 188     | .030 (0,76)  | .187 (4,75)  | .030 (0,76)  | .131 (3,33) | .090 (2,29) |
| 12SWS0189   | SWS 189     | .020 (0,51)  | .187 (4,75)  | .030 (0,76)  | .119 (3,02) | .090 (2,29) |
| 12SWS0190   | SWS 190     | 9/32 (7,14)  | .197 (5,00)  | 1/32 (0,79)  | .118 (3,00) | .075 (1,91) |
| 12SWS0191   | SWS 191     | .100 (2,54)  | .350 (8,89)  | .090 (2,29)  | .200 (5,08) | .140 (3,56) |
| 12SWS0192   | SWS 192     | .052 (1,32)  | .253 (6,43)  | .047 (1,19)  | .136 (3,45) | .120 (3,05) |
| 12SWS0193   | SWS 193     | .040 (1,02)  | .250 (6,35)  | .031 (0,79)  | .140 (3,56) | .093 (2,36) |
| 12SWS0194   | SWS 194     | .046 (1,17)  | .197 (5,00)  | .027 (0,69)  | .144 (3,66) | .118 (3,00) |
| 12SWS0195   | SWS 195     | 1/16 (1,59)  | .195 (4,95)  | 1/32 (0,79)  | .120 (3,05) | .093 (2,36) |
| 12SWS0196   | SWS 196     | 3/64 (1,19)  | .240 (6,09)  | 1/16 (1,59)  | .135 (3,42) | .114 (2,89) |
| 12SWS0197   | SWS 197     | 1/32 (0,79)  | .216 (5,48)  | 3/64 (1,19)  | .135 (3,42) | .115 (2,92) |
| 12SWS0198   | SWS 198     | 1/32 (0,79)  | .200 (5,08)  | 1/32 (0,79)  | .140 (3,56) | .115 (2,92) |
| 12SWS0199   | SWS 199     | 5/64 (1,98)  | .187 (4,75)  | 1/32 (0,79)  | .119 (3,02) | .063 (1,60) |
| 12SWS0200   | SWS 200     | 1/32 (0,79)  | .200 (5,08)  | 5/64 (1,98)  | .135 (3,43) | .116 (2,95) |
| 12SWS0201   | SWS 201     | 3/16 (4,76)  | .187 (4,75)  | 1/32 (0,79)  | .119 (3,02) | .063 (1,60) |
| 12SWS0202   | SWS 202     | 5/64 (1,98)  | .205 (5,21)  | 1/32 (0,79)  | .125 (3,18) | .093 (2,36) |
| 12SWS0203   | SWS 203     | 7/64 (2,77)  | .205 (5,21)  | 1/32 (0,79)  | .125 (3,18) | .093 (2,36) |
| 12SWS0204   | SWS 204     | 3/16 (4,76)  | .205 (5,21)  | 1/32 (0,79)  | .125 (3,18) | .093 (2,36) |
| 12SWS0205   | SWS 205     | 3/64 (1,19)  | .202 (5,13)  | 1/64 (0,41)  | .145 (3,68) | .120 (3,05) |
| 12SWS0206   | SWS 206     | 1/16 (1,59)  | .224 (5,69)  | 1/32 (0,79)  | .154 (3,91) | .120 (3,05) |
| 12SWS0207   | SWS 207     | 5/32 (3,97)  | .242 (6,15)  | 3/64 (1,19)  | .135 (3,43) | .110 (2,79) |
| 12SWS0208   | SWS 208     | 1/16 (1,59)  | .200 (5,08)  | 1/32 (0,79)  | .120 (3,05) | .093 (2,36) |
| 12SWS0209   | SWS 209     | 3/64 (1,19)  | .210 (5,33)  | 1/64 (0,41)  | .145 (3,68) | .120 (3,05) |
| 12SWS0210   | SWS 210     | 3/64 (1,19)  | .230 (5,84)  | 1/64 (0,41)  | .142 (3,61) | .122 (3,10) |
| 12SWS0211   | SWS 211     | 1/32 (0,79)  | .218 (5,54)  | 3/64 (1,19)  | .135 (3,43) | .115 (2,92) |
| 12SWS0212   | SWS 212     | 7/16 (11,11) | .224 (5,69)  | 1/32 (0,79)  | .154 (3,91) | .120 (3,05) |
| 12SWS0213   | SWS 213     | 3/64 (1,19)  | .200 (5,08)  | 1/32 (0,79)  | .138 (3,51) | .109 (2,77) |
| 12SWS0214   | SWS 214     | 1/32 (0,79)  | .235 (5,97)  | 3/64 (1,19)  | .137 (3,48) | .115 (2,77) |
| 12SWS0215   | SWS 215     | 7/32 (5,55)  | .250 (6,35)  | 11/64 (4,37) | .150 (3,81) | .115 (2,92) |
| 12SWS0216   | SWS 216     | 1/32 (0,79)  | .240 (6,10)  | 1/32 (0,79)  | .150 (3,81) | .098 (2,49) |
| 12SWS0217   | SWS 217     | 1/32 (0,79)  | .228 (5,79)  | 3/64 (1,19)  | .138 (3,51) | .100 (2,54) |
| 12SWS0218   | SWS 218     | 1/8 (3,18)   | .242 (6,15)  | 3/64 (1,19)  | .140 (3,56) | .115 (2,92) |
| 12SWS0219   | SWS 219     | 1/8 (3,18)   | .290 (7,37)  | 1/64 (0,41)  | .250 (6,35) | .193 (4,90) |
| 12SWS0220   | SWS 220     | 3/64 (1,19)  | .234 (5,94)  | 3/64 (1,19)  | .147 (3,73) | .115 (2,92) |

