

APM HEXSEAL

Rotary Shaft Seals

APM's rotary switch and potentiometer seals surround the shaft and forms a watertight and dust tight seal against the shaft and front panel surface. Color: Gray. UL and CSA recognized.



| Thread Size | Max. Shaft Size Inch (mm) | Hex Nut Flat Inch (mm) | Digi-Key Part No. | Price Each | | | APM Hexseal Part No. |
|--------------|---------------------------|------------------------|-------------------|------------|------|------|----------------------|
| | | | | 1 | 25 | 100 | |
| 1/4-28NF-2B | .125 (3.18) | .375 (9.53) | 335-1014-ND | 4.98 | 3.99 | 3.16 | N9042X1/8 |
| 1/4-32NEF-2B | .125 (3.18) | .375 (9.53) | 335-1020-ND | 4.98 | 3.99 | 3.16 | N9040x1/8 |
| 3/8-32NEF-2B | .250 (6.35) | .500 (12.70) | 335-1016-ND | 4.98 | 3.99 | 3.16 | N9030x1/4 |

Transparent Rocker Switch Seals

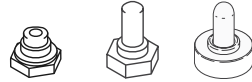
Seals without compromising switch operation, position status viewing or legend visibility. UL and CSA recognized.



| Maximum Actuator Length Inch (mm) | Maximum Actuator Width Inch (mm) | Maximum Above Panel Inch (mm) | Digi-Key Part No. | Price Each | | | APM Hexseal Part No. |
|-----------------------------------|----------------------------------|-------------------------------|-------------------|------------|------|------|----------------------|
| | | | | 1 | 25 | 100 | |
| .750 (19.05) | .531 (13.49) | .228 (5.79) | 335-1011-ND | 3.21 | 2.57 | 2.04 | C1113/66(Clear) |
| 1.093 (27.78) | .515 (13.10) | .297 (7.54) | 335-1033-ND | 3.25 | 2.61 | 2.06 | C1113/63 |
| 1.093 (27.78) | .968 (24.61) | .297 (7.54) | 335-1032-ND | 3.55 | 2.84 | 2.25 | C1113/62 |
| 1.218 (30.96) | .875 (22.23) | .297 (7.54) | 335-1023-ND | 3.21 | 2.57 | 2.04 | C1113/70 |
| 1.327 (36.51) | .703 (17.86) | .413 (10.49) | 335-1034-ND | 3.21 | 2.57 | 2.04 | C1113/71 |

Toggle Switch Boots

HEXSEAL toggle switch boots are molded from a high tear strength, silicone rubber bonded to a built-in mounting nut. Each encloses the base of the protruding switch bushing and forms a water and dust tight seal against the front panel surface. Meets MIL-B-5423 Specs. UL and CSA recognized.



| Thread Size | Throat (I.D.) Inch (mm) | Height Inch (mm) | Color | Digi-Key Part No. | Price Each | | | APM Hexseal Part No. |
|---------------|-------------------------|------------------|-------|-------------------|------------|------|------|----------------------|
| | | | | | 1 | 25 | 100 | |
| 1/4-40NS-2B | .047 (1.19) | .250 (6.35) | Gray | 335-1006-ND* | 6.50 | 5.21 | 4.12 | N5032B |
| 1/4-40NS-2B | .062 (1.57) | .500 (12.70) | Red | 335-1002-NDA | 8.15 | 6.53 | 5.17 | N5030L(RED) |
| 1/4-40NS-2B | .062 (1.57) | .500 (12.70) | Black | 335-1003-NDA | 6.50 | 5.21 | 4.12 | N5030L(BLACK) |
| 1/4-40NS-2B | .062 (1.57) | .390 (9.90) | Gray | 335-1000-NDA | 6.50 | 5.21 | 4.12 | N-5030R |
| 1/4-40NS-2B | .062 (1.57) | .594 (15.09) | Gray | 335-1001-NDA | 6.50 | 5.21 | 4.12 | N5030S |
| 1/4-40NS-2B | .062 (1.57) | .500 (12.70) | Gray | 335-1036-NDA | 6.50 | 5.21 | 4.12 | N5030L |
| 1/4-40NS-2B | .104 (2.64) | .422 (10.7) | Gray | 335-1035-NDA | 6.50 | 5.21 | 4.12 | N5030 |
| 15/32-32NS-2B | .078 (1.98) | .437 (11.10) | Gray | 335-1007-ND* | 5.45 | 4.36 | 3.46 | N1030B |
| 15/32-32NS-2B | .078 (1.98) | .437 (11.10) | Black | 335-1022-ND* | 5.15 | 4.13 | 3.27 | C1132/20 |
| 15/32-32NS-2B | .219 (5.56) | .844 (21.44) | Gray | 335-1005-NDA | 5.45 | 4.36 | 3.46 | N1030 |
| 15/32-32NS-2B | .219 (5.56) | .844 (21.44) | Black | 335-1109-NDA | 5.45 | 4.36 | 3.46 | N1030 12 |
| 15/32-32NS-2B | .219 (5.56) | .937 (23.79) | Black | 335-1037-NDA | 5.15 | 4.13 | 3.27 | C1131/28 |
| 15/32-32NS-2B | .219 (5.56) | 1.093 (27.76) | Gray | 335-1038-NDA | 5.45 | 4.36 | 3.46 | 1131/26 |
| 15/32-32NS-2B | .250 (6.35) | .975 (24.76) | Black | 335-1031-ND§ | 7.10 | 5.68 | 4.50 | I01030 |
| 15/32-32NS-2B | .300 (7.62) | 1.11 (28.19) | Gray | 335-1039-NDA | 5.45 | 4.36 | 3.46 | 50154 |
| 1/2-32NS-2B | .078 (1.98) | .437 (11.10) | Gray | 335-1110-ND* | 5.45 | 4.36 | 3.46 | N1030B 160 ID |
| 1/2-32NS-2B | .078 (1.98) | .437 (11.10) | Black | 335-1111-ND* | 5.45 | 4.36 | 3.46 | N1030B 160 ID BLACK |

Seelnut® High Pressure Self-Sealing Locking Nuts

SEELNUTS are designed for use on all types of adjusting screws, threaded studs, and machine bolts in applications where leakage may occur due to extreme pressures. Their single-piece design eliminates the need for gaskets, sealing compounds and surface preparations. UL and CSA recognized.

| Description | Digi-Key Part No. | Price Each | | | APM Hexseal Part No. |
|-------------|-------------------|------------|------|------|----------------------|
| | | 1 | 25 | 100 | |
| #6-32 | 335-1047-ND | 4.69 | 3.76 | 2.97 | 6-32 AJ 6 |
| #10-32 | 335-1048-ND | 4.69 | 3.76 | 2.97 | 10-32 AJ 6 |
| #10-24 | 335-1049-ND | 4.69 | 3.76 | 2.97 | 10-24 AJ 6 |
| 1/4-20 | 335-1050-ND | 5.20 | 4.16 | 3.30 | 1/4-20 AJ 6 |
| 1/4-28 | 335-1051-ND | 5.20 | 4.16 | 3.30 | 1/4-28 AJ 6 |
| 5/16-18 | 335-1052-ND | 5.20 | 4.16 | 3.30 | 5/16-18 AJ 6 |
| 5/16-24 | 335-1053-ND | 5.20 | 4.16 | 3.30 | 5/16-24 AJ 6 |
| 3/8-16 | 335-1054-ND | 5.49 | 4.40 | 3.48 | 3/8-16 AJ 6 |
| 3/8-24 | 335-1055-ND | 5.49 | 4.40 | 3.48 | 3/8-24 AJ 6 |
| 7/16-20 | 335-1056-ND | 5.49 | 4.40 | 3.48 | 7/16-20 AJ 6 |
| 1/2-13 | 335-1057-ND | 5.49 | 4.40 | 3.48 | 1/2-13 AJ 6 |
| 1/2-20 | 335-1058-ND | 5.49 | 4.40 | 3.48 | 1/2-20 AJ 6 |
| 5/8-18 | 335-1059-ND | 6.76 | 5.41 | 4.29 | 5/8-18 AJ 6 |

Seeloc® Air & Water-Tight Bonded Self-Sealing Washers

SEELOC washers are self-sealing, vibration-resistant washers, each having a silicone rubber section, molded and bonded to a stainless steel formed washer. These washers are designed for use with regular screws or bolts for sealing panels and cases having large clearance holes or slots. Upon tightening, a seal is formed under the head of the screw or bolt as well as around the periphery of the washer face. UL and CSA recognized.

| Description | Digi-Key Part No. | Price Each | | | APM Hexseal Part No. |
|-------------|-------------------|------------|------|------|----------------------|
| | | 1 | 25 | 100 | |
| #6 | 335-1060-ND | 4.98 | 3.99 | 3.16 | 75602 |
| #8 | 335-1061-ND | 4.98 | 3.99 | 3.16 | 75802 |
| #10 | 335-1062-ND | 4.98 | 3.99 | 3.16 | 75102 |
| #1/4 | 335-1063-ND | 4.98 | 3.99 | 3.16 | 75082 |
| #5/16 | 335-1064-ND | 4.98 | 3.99 | 3.16 | 75107 |
| #3/8 | 335-1065-ND | 4.98 | 3.99 | 3.16 | 75122 |
| #7/16 | 335-1066-ND | 4.98 | 3.99 | 3.16 | 75142 |
| #1/2 | 335-1067-ND | 4.98 | 3.99 | 3.16 | 75162 |

Panel Bushing Seal

Protect and prevent seepage/leakage through switch/circuit breaker panel cutout using APM's reusable self-sealing washers. Color: Gray. UL and CSA recognized.



| Compatible Switch Bushing | Washer Diameter Inch (mm) | Washer Thickness Inch (mm) | Digi-Key Part No. | Price Each | | | APM Hexseal Part No. |
|---------------------------|---------------------------|----------------------------|-------------------|------------|------|------|----------------------|
| | | | | 1 | 25 | 100 | |
| 15/32-32 | .677 (17.20) | .120 (3.05) | 335-1021-ND | 4.86 | 3.89 | 3.08 | 60064 |

Transparent Circuit Breaker Seals

APM HEXSEAL sealing boots for lever-actuated style circuit breakers are molded from APM's proprietary RUBRGLAS™, a transparent high tear-strength silicone rubber which won't yellow or discolor. Each boot is supplied with APM's patented self-sealing SEELSKREWS to insure total sealing integrity for the breaker. Its panel cutout, and the boot mounting holes. Front panel mounted boots are also supplied with a plated, steel frame. These tough, flexible boots provide a dust-tight and watertight seal without compromising breaker operation or position status viewing. Meets MIL-B-5423 specs. UL and CSA recognized.



| Poles | Dimensions (mm) | | | Digi-Key Part No. | Price Each | | | APM Hexseal Part No. |
|------------------------------------|-----------------|-------|-------|-------------------|------------|-------|-------|----------------------|
| | H | L | W | | 1 | 25 | 100 | |
| Front-Panel Mounted Boots | | | | | | | | |
| 1 | 22.23 | 66.68 | 34.93 | 335-1024-ND | 30.07 | 24.06 | 19.05 | HE1015 |
| 2 | 22.23 | 66.68 | 56.34 | 335-1025-ND | 35.27 | 28.22 | 22.34 | HE1020 |
| 3 | 22.23 | 66.68 | 49.99 | 335-1026-ND | 37.51 | 30.01 | 23.76 | HE1050 |
| 3 | 23.42 | 94.44 | 92.86 | 335-1027-ND | 44.10 | 35.28 | 27.93 | HE1070 |
| Back-of-Panel Mounted Boots | | | | | | | | |
| 1 | 23.42 | 50.80 | 19.05 | 335-1028-ND | 18.33 | 14.67 | 11.62 | C1113/40 |
| 2 | 23.42 | 50.80 | 38.1 | 335-1029-ND | 21.20 | 16.97 | 13.43 | C1113/42 |
| 3 | 23.42 | 50.80 | 57.15 | 335-1030-ND | 22.98 | 18.39 | 14.56 | C1113/43 |

Pushbutton Switch Boots

APM's sealing boots are designed to protect your switches and potentiometers from hostile environments without compromising or interfering with the switches basic function. Boots create a full environmental seal even under high-pressure washdowns. Each seal is made from a tough, high tear strength elastomer that is resistant to most chemicals, lubricants and solvents. UL and CSA recognized which facilitate easier agency listings and most Hexseals meet MIL-B-5423 specs.



| Thread Size | Throat Size (I.D.) Inch (mm) | Plunger Height Inch (mm) | Color | Digi-Key Part No. | Price Each | | | APM Hexseal Part No. |
|----------------|------------------------------|--------------------------|-------|-------------------|------------|------|------|----------------------|
| | | | | | 1 | 25 | 100 | |
| 1/4-32NS-2B | .188 (4.77) | .203 (5.16) | Gray | 335-1018-ND | 6.50 | 5.21 | 4.12 | N5040G |
| 1/4-40NS-2B | .125 (3.18) | .344 (8.73) | Gray | 335-1040-ND | 6.50 | 5.21 | 4.12 | 1231/31 |
| 1/4-40NS-2B | .188 (4.77) | .141 (3.58) | Gray | 335-1017-ND | 6.50 | 5.21 | 4.12 | N5040 |
| 1/4-40NS-2B | .188 (4.77) | .203 (5.16) | Gray | 335-1019-ND | 6.50 | 5.21 | 4.12 | N5040R |
| 3/8-27NS-2B | .320 (8.12) | .330 (8.38) | Gray | 335-1041-ND | 3.89 | 3.11 | 2.47 | 1221/12 |
| 3/8-27NS-2B | .320 (8.12) | .330 (8.38) | Clear | 335-1042-ND | 3.42 | 2.74 | 2.17 | C1221/21 4 |
| 3/8-32NEF-2B | .320 (8.12) | .330 (8.38) | Clear | 335-1043-ND | 3.42 | 2.74 | 2.17 | C1221/23 |
| 3/8-32NS-2B | .320 (8.12) | .545 (13.84) | Black | 335-1045-ND | 3.42 | 2.74 | 2.17 | C1221/25 |
| 7/16-28UNEF-2B | .422 (10.72) | .438 (11.13) | Clear | 335-1013-ND | 6.80 | 5.45 | 4.31 | NC203 7/16-28(CLR) |
| 15/32-32NS-2B | .375 (9.52) | .400 (10.16) | Gray | 335-1044-ND | 4.14 | 3.32 | 2.63 | 1221/15 |
| 15/32-32NS-2B | .422 (10.72) | .281 (7.14) | Gray | 335-1009-ND | 5.45 | 4.36 | 3.46 | N3030 |
| 15/32-32NS-2B | .422 (10.72) | .438 (11.13) | Gray | 335-1008-ND | 5.45 | 4.36 | 3.46 | NC3030 |
| 15/32-32NS-2B | .422 (10.71) | .438 (11.12) | Clear | 335-1010-ND | 6.80 | 5.45 | 4.31 | NC3030(CLEAR) |
| 1/2-32NS-2B | .422 (10.71) | .281 (7.13) | Gray | 335-1046-ND | 5.70 | 4.57 | 3.62 | NH3030 |

Seelskrew® Reusable High Pressure Self-Sealing Screw

SEELSKREWS are designed to seal in/out air, water, and other liquid or gaseous contaminants to 20,000psi. Reusable, stainless-steel with integral silicone O-Ring seal. Ideal for control panels & other electrical equipment applications. UL and CSA recognized.



| Description | Digi-Key Part No. | Price Each | | | APM Hexseal Part No. |
|---------------|-------------------|------------|------|------|----------------------|
| | | 1 | 25 | 100 | |
| 1/4-20 x 3/8 | 335-1068-ND | 1.61 | 1.29 | 1.02 | R1/4-20X3/8 |
| 1/4-20 x 7/16 | 335-1069-ND | 1.65 | 1.32 | 1.05 | R1/4-20X7/16 |
| 1/4-20 x 1/2 | 335-1070-ND | 1.69 | 1.36 | 1.08 | R1/4-20X1/2 |
| 1/4-20 x 5/8 | 335-1071-ND | 1.82 | 1.46 | 1.16 | R1/4-20X5/8 |
| 1/4-20 x 3/4 | 335-1072-ND | 1.94 | 1.56 | 1.24 | R1/4-20X3/4 |
| 1/4-20 x 7/8 | 335-1073-ND | 2.07 | 1.66 | 1.32 | R1/4-20X7/8 |
| 1/4-20 x 1 | 335-1074-ND | 2.20 | 1.76 | 1.40 | R1/4-20X1 |
| 10-32 x 3/8 | 335-1075-ND | .97 | .78 | .62 | R10-32X3/8 |
| 10-32 x 7/16 | 335-1076-ND | 1.01 | .82 | .65 | R10-32X7/16 |
| 10-32 x 1/2 | 335-1077-ND | 1.06 | .85 | .67 | R10-32X1/2 |
| 10-32 x 3/4 | 335-1078-ND | 1.18 | .95 | .75 | R10-32X3/4 |
| 10-32 x 5/8 | 335-1079-ND | 1.27 | 1.02 | .81 | R10-32X5/8 |
| 10-32 x 7/8 | 335-1080-ND | 1.39 | 1.12 | .89 | R10-32X7/8 |
| 10-32 x 1 | 335-1081-ND | 1.48 | 1.19 | .94 | R10-32X1 |
| 4-40 x 1/4 | 335-1082-ND | .76 | .61 | .49 | R4-40X1/4 |
| 4-40 x 5/16 | 335-1083-ND | .76 | .61 | .49 | R4-40X5/16 |
| 4-40 x 3/8 | 335-1084-ND | .80 | .65 | .51 | R4-40X3/8 |
| 4-40 x 7/16 | 335-1085-ND | .76 | .61 | .49 | R4-40X7/16 |
| 4-40 x 1/2 | 335-1086-ND | .80 | .65 | .51 | R4-40X1/2 |
| 4-40 x 5/8 | 335-1087-ND | .84 | .68 | .54 | R4-40X5/8 |
| 4-40 x 3/4 | 335-1088-ND | .89 | .71 | .57 | R4-40X3/4 |
| 4-40 x 7/8 | 335-1089-ND | .93 | .75 | .59 | R4-40X7/8 |
| 4-40 x 1 | 335-1090-ND | 1.01 | .82 | .65 | R4-40X1 |
| 6-32 x 1/4 | 335-1091-ND | .76 | .61 | .49 | R6-32X1/4 |