



**DIMENSIONS in.**

EPD's one piece Strain Relief Bushings securely anchor, absorb, and protect cables and wires from push/pull and twist forces, while insulating them from irregular or sharp panel edges. They are easily and quickly installed with special installation pliers or other hand or production tools. Stock sizes are in Black H.S. Nylon, and the temperature index is 105° Centigrade.

Note: All product listed have flat sides. A round hole allows the cord and strain relief side to side rotation, while the hole with flats does not.

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**Available from Mouser Electronics**  
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EPD-200757

| Item Number | Description | Cross Section of Cable | Cable Size   | Cable Type   | Gauge  | Strap Type * | Flats B | Max. Panel Thk. C | Length D | Width E | Diameter A                   |
|-------------|-------------|------------------------|--|--|--|--------------|---------|-------------------|----------|---------|------------------------------|
| 561-MP2L10  | MP2L1       | Flat                   | .120 X .220  | SPT-1  | 18/2   | "Y"          | 0.330   | 0.125             | 0.410    | 0.420   | 0.375                        |
| 561-MP2M4   | MP2M4       | Round                  | .156 X .187  | AWN  | 14.000   | "Y"          | 0.330   | 0.062             | 0.410    | 0.391   | 0.375                        |
| 561-MP2M5   | MP2M5       | Round                  | .125 X .156  | AWN  | 16.000   | "Y"          | 0.330   | 0.062             | 0.410    | 0.391   | 0.375                        |
| 561-MP2P4   | MP2P4       | Flat                   | .120 X .220  | SPT-1  | 18/2   | "Y"          | 0.330   | 0.062             | 0.410    | 0.420   | 0.375                        |
| 561-MP3P4   | MP3P4       | Flat                   | .120 X .220, .120 X .220   | SP-1, SPT-1  | 18/2, 18/2   | "Y"          | 0.390   | 0.062             | 0.410    | 0.484   | 0.437                        |
| 561-MP4J4   | MP4J4       | Flat                   | .120 X .300  | SPT-1, SPT-2<br>HPN                                | 18/3, 18/2, 18/2   | "Y"          | 0.465   | 0.032             | 0.406    | 0.578   | 0.500                        |
| 561-MP4K1   | MP4K1       | Flat                   | .150 X .400, .160 X .300,<br>.160 X .300, .150 X .280,<br>.150 X .280                              | SPT-2, HPN<br>SPT-2, HPN,<br>SPT-2                 | 18/3, 16/2<br>16/2, 18/2, 18/2                                   | "Y"          | 0.460   | 0.095             | 0.495    | 0.565   | 0.500                        |
| 561-MP4K1Z  | MP4K1Z      | Flat                   | .150 X .400, .160 X .300,<br>.160 X .300, .150 X .280,<br>.150 X .280                              | SPT-2, HPN,<br>SPT-2, HPN,<br>SPT-2                | 18/3, 16/2,<br>16/2, 18/2, 18/2                                  | "Z"          | 0.460   | 0.095             | 0.495    | 0.565   | 0.500                        |
| 561-MP4K4   | MP4K4       | Flat                   | .120 X .300  | SPT-2, HPN   | 18/2, 18/2   | "Y"          | 0.465   | 0.100             | 0.406    | 0.578   | 0.500                        |
| 561-MP4L1   | MP4L10      | Flat                   | .150 X .400, .160 X .300,<br>.160 X .300, .150 X .280,<br>.150 X .280                              | SPT-1, HPN,<br>SPT-2, HPN,<br>SPT-2                | 18/3, 16/2,<br>16/2, 18/2, 18/2                                  | "Z"          | 0.460   | 0.187             | 0.495    | 0.565   | 0.500                        |
| 561-MP4L4   | MP4L4       | Flat                   | .120 X .300  | SPT-1, SPT-2,<br>HPN                               | 18/3, 18/2,<br>18/2  | "Y"          | 0.465   | 0.156             | 0.406    | 0.578   | 0.500                        |
| 561-MP4N4   | MP4N4       | Flat                   | .120 X .300  | SPT-2,<br>HPN                                      | 18/2,<br>18/2  | "Y"          | 0.465   | 0.062             | 0.406    | 0.578   | 0.500                        |
| 561-MP5K4   | MP5K4       | Flat                   | .150 X .400  | SPT-2  | 16/2   | "Y"          | 0.530   | 0.125             | 0.609    | 0.625   | 0.562                        |
| 561-MP5KN4  | MP5KN4      | Flat                   | .150 X .400,<br>.160 X .300  | SPT-2,<br>SPT-2                                    | 18/3,<br>16/2  | "Y"          | 0.530   | 0.062             | 0.609    | 0.625   | 0.562                        |
| 561-MP5N4   | MP5N4       | Round                  | .250, .250, .255<br>.255, .290   | SV, SVT, SV<br>SVT, HPD                            | 18/2, 18/2, 18/3<br>18/3, 16/2                                   | "Y"          | 0.450   | 0.062             | 0.438    | 0.578   | 0.500                        |
| 561-MP5P4   | MP5P4       | Round                  | .250, .250, .255<br>.255, .290   | SV, SVT, SV<br>SVT, HPD                            | 18/2, 18/2, 18/3<br>18/3, 16/2                                   | "Y"          | 0.450   | 0.100             | 0.438    | 0.578   | 0.500                        |
| 561-MP5W1   | MP5W1       | Flat                   | .120 X .300, .160 X .300<br>.160 X .410, .160 X .370   | SPT-2, SPT-2<br>SPT-2, HPN                         | 18/3, 16/2<br>16/3, 16/3   | "Y"          | 0.530   | 0.125             | 0.609    | 0.625   | 0.562                        |
| 561-MP6L1   | MP6L10      | Round                  | .325 X .360  | SJ, SJT, SJO                                       | 18/2, 18/3, 16/2<br>16/3, 16/2, 16/3                             | "Z"          | 0.550   | 0.125             | 0.666    | 0.725   | 0.625                        |
| 561-MP6N34  | MP6N34      | Round                  | .355, .405, .430   | SJ, SJT, SJT                                       | 16/3, 18/3, 16/3   | "Y"          | 0.550   | 0.062             | 0.580    | 0.703   | 0.625                        |
| 561-MP6N35  | MP6N35      | Round                  | .390, .390, .405,<br>.405, .390  | SJO, SJ, SJT,<br>SJO, SJT                          | 18/2, 18/2, 16/2<br>18/2, 18/2                                   | "Y"          | 0.550   | 0.062             | 0.580    | 0.703   | 0.625                        |
| 561-MP6N4   | MP6N4       | Round                  | .300,<br>.300  | SJT,<br>SJO  | 18/2, 18/2   | "Y"          | 0.550   | 0.062             | 0.580    | 0.703   | 0.625                        |
| 561-MP6N44  | MP6N44      | Flat                   | .120 X .300  | SPT-1  | 18/3   | "Y"          | 0.570   | 0.062             | 0.600    | 0.690   | 0.625                        |
| 561-MP6N45  | MP6N45      | Flat                   | .120 X .300  | SPT-1  | 18/3   | "Y"          | 0.545   | 0.062             | 0.600    | 0.690   | 0.625                        |
| 561-MP6P34  | MP6P34      | Round                  | .325 X .360  | SJ, SJT, SJT,<br>SJO                               | 18/3, 16/3, 18/3<br>18/3   | "Y"          | 0.550   | 0.125             | 0.580    | 0.703   | 0.625                        |
| 561-MP6P35  | MP6P35      | Round                  | .325 X .360  | SJ, SJ, SJ,<br>SJT, SJT, SJO,<br>SJO, SJO          | 18/2, 18/3, 16/2,<br>16/2, 18/2, 18/2,<br>16/2, 18/3             | "Y"          | 0.550   | 0.125             | 0.580    | 0.703   | 0.625                        |
| 561-MP6P4   | MP6P40      | Round                  | .300   | SJ, SJT, SJO                                       | 18/2   | "Y"          | 0.550   | 0.125             | 0.580    | 0.703   | 0.625                        |
| 561-MP6W1   | MP6W10      | Round                  | .300   | SJ, SJT, SJO                                       | 18/2   | "Y"          | 0.465   | 0.090             | 0.437    | 0.563   | 0.500                        |
| 561-MP7K2   | MP7K2       | Round                  | .325 X .360  | SJ, SJ, SJ,<br>SJ, SJT, SJT,<br>SJO, SJO, SJO      | 18/4, 16/2, 16/3,<br>14/2, 18/3, 16/3,<br>14/2, 16/3, 18/4       | "Z"          | 0.770   | 0.125             | 0.750    | 0.922   | 0.875                        |
| 561-MP7K3   | MP7K3       | Round                  | .325 X .360  | SJ, SJ, SJT,<br>SJO, SJO, SJO                      | 18/3, 16/2, 16/2,<br>18/3, 16/2                                  | "Z"          | 0.770   | 0.125             | 0.750    | 0.922   | 0.875                        |
| 561-MP7P2   | MP7P2       | Round                  | .360, .370, .405,<br>.430, .405, .430,<br>.405, .390, .390,<br>.405                                | SJTO, SJT, S,<br>S, STO, STO,<br>S, S, STO,<br>STO | 18/4, 14/3, 18/3<br>16/3, 18/3, 16/3<br>16/2, 18/2, 18/2<br>16/2 | "X"          | 0.660   | 0.125             | 0.745    | 0.830   | 0.750                        |
| 561-MP7P3   | MP7P3       | Flat                   | .160 X .410  | SPT-2  | 16/3   | "Z"          | 0.657   | 0.125             | 0.590    | 0.785   | 0.736                        |
| 561-MP7W20  | MP7W2       | Round                  | .370 - .425, .370 - .425,<br>.390 - .430, .390 - .430,<br>.390 - .430, .390 - .430,<br>.390 - .430 | SJT, SJT,<br>S, S, STO,<br>STO, STO                | 14/3, 12/3, 18/3<br>16/3, 16/2, 16/3<br>18/3                     | "Z"          | 0.770   | 0.125             | 0.750    | 0.922   | 0.875                        |
| 561-MP8P2   | MP8P2       | Round                  | .530 - .600  | S, S, ST   | 14/2, 14/3, 12/2   | "Z"          | 0.840   | 0.125             | 0.812    | 0.922   | 0.875                        |
| 561-MP9P2   | MP9P2       | Round                  | .570, .640, .650, .700   | S  | 12/3, 10/2, 10/3   | "Z"          | 1.000   | 0.281             | 0.990    | 1.215   | 1.093, 1.125<br>1.093, 1.187 |
| 561-MP13L1  | MP13L1      | Flat                   | .120 X .220  | SPT-1  | 18/2   | "Z"          | 0.390   | 0.062             | 0.500    | 0.510   | 0.437                        |
| 561-MP14L1  | MP14L1      | Flat                   | .150 X .280, .150 X .280,<br>.160 X .300   | SPT-2, SPT-2<br>HPN                                | 18/2, 16/2, 16/2   | "Z"          | 0.450   | 0.100             | 0.687    | 0.563   | 0.500                        |
| 561-MP15L1  | MP15L1      | Round                  | .250 X .265  | SV   | 18/2, 18/3   | "Z"          | 0.450   | 0.100             | 0.687    | 0.562   | 0.500                        |
| 561-MP16L1  | MP16L1      | Flat                   | .150 X .400, .160 X .370,<br>.190 X .350, .200 X .370  | SP-2, HPN,<br>SPT-3, SPT-3                         | 18/3, 16/3,<br>18/2, 16/2  | "Z"          | 0.525   | 0.125             | 0.875    | 0.625   | 0.562                        |
| 561-MP30-1  | MP30-1      | Flat                   | .160 X .410, .120 X .300   | SPT-2, SPT-1                                       | 16/3, 16/3   | "Z"          | 0.560   | 0.125             | 0.670    | 0.750   | 0.730                        |
| 561-23MP302 | MP302       | Flat                   | .150 X .400, .160 X .410,<br>.320 X .650   | SPT-2, SPT-2<br>SPT-3                              | 18/3, 18/3, 16/3   | "Z"          | 0.625   | 0.100             | 0.460    | 0.660   | 0.625 X 0.375                |
| 561-MP31-2  | MP31-2      | Flat, Round            | .180 - .425, .425 - .475   | SJT, SPT-3   | 12/3, 12/3   | "Z"          | 0.840   | 0.125             | 0.812    | 0.922   | 0.875                        |
| 561-MP33-10 | MP33-10     | Flat                   | .245 X 0.425, .240 X .420,<br>.240 X .525  | SPT-3, SPT-3,<br>HPN                               | 16/3, 14/2, 14/3   | "Z"          | 0.875   | 0.125             | 0.770    | 0.895   | 0.750 X 0.875                |
| 561-MP34-2X | MP34-2X     | Flat                   | .240 X .420, .290 X .650   | SPT-3, SPT-3                                       | 14/3, 12/3   | "X"          | 0.840   | 0.125             | 0.812    | 0.922   | 0.875                        |

\* The strap type brings the mating half of the part from different locations.

"X" folds from the side

"Z" folds from the bottom

"Y" folds from between X and Z

**Available from Mouser Electronics**  
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