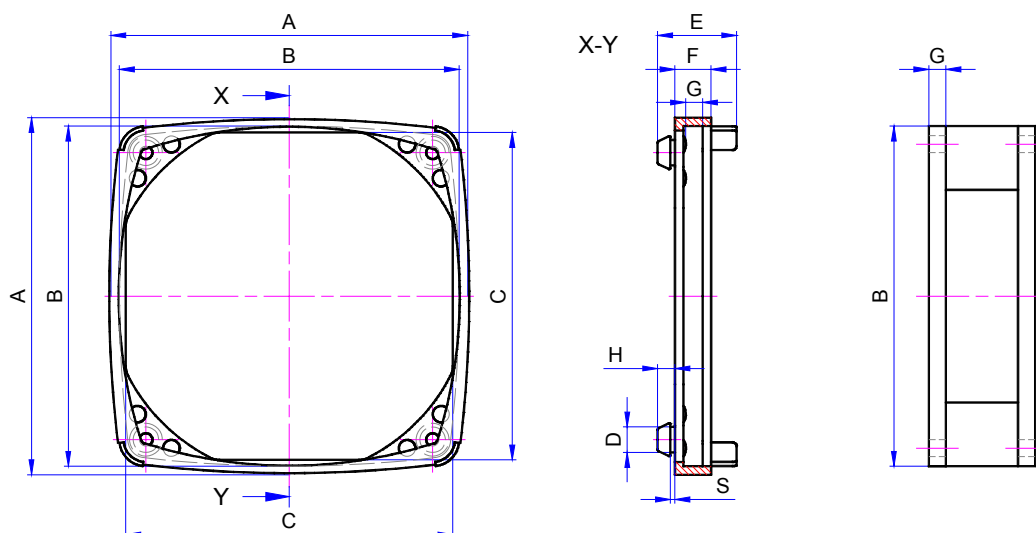


# QLM Fan Vibration Sleeves



**Material:** TPE (Thermoplastic Elastomer) RoHS Compliant  
**Color:** Black  
**Hardness:** ca 70° Shore A  
**Fire Resistance:** UL94-V0



Ordering Information: **QLM** — **40** — **20** — **10 or 20**  
 Series Fan Size B Fan Flange Thickness  
 10 = panel thickness from 0.75 to 1.25mm  
 20 = panel thickness from 1.50 to 2.50mm

**CUSTOM SIZES AVAILABLE BY REQUEST**

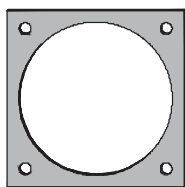
| Part Number   | A<br>Inch / mm | B<br>Inch / mm | C<br>Inch / mm | D<br>Inch / mm | E<br>Inch / mm | F<br>Inch / mm | G<br>Inch / mm | H<br>Inch / mm | S<br>Inch / mm | PANEL<br>THICKNESS<br>Inch / mm |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------------------|
| QLM-40-20-10  | 1.692 / 43     | 1.574 / 40     | 1.496 / 38     | .177 / 4.5     | .581 / 14.75   | .207 / 5.25    | .008 / 2.0     | .138 / 3.5     | .039 / 1.0     | .030 / .75 - .049 / 1.25        |
| QLM-40-20-20  | 1.692 / 43     | 1.574 / 40     | 1.496 / 38     | .177 / 4.5     | .620 / 15.75   | .207 / 5.25    | .008 / 2.0     | .178 / 4.5     | .079 / 2.0     | .059 / 1.5 - .098 / 2.5         |
| QLM-60-30-10  | 2.520 / 64     | 2.362 / 60     | 2.283 / 58     | .197 / 5.0     | .689 / 17.5    | .295 / 7.5     | .008 / 2.0     | .157 / 4.0     | .039 / 1.0     | .030 / .75 - .049 / 1.25        |
| QLM-60-30-20  | 2.520 / 64     | 2.362 / 60     | 2.283 / 58     | .197 / 5.0     | .728 / 18.5    | .295 / 7.5     | .118 / 3.0     | .197 / 5.0     | .079 / 2.0     | .059 / 1.5 - .098 / 2.5         |
| QLM-80-40-10  | 3.307 / 84     | 3.150 / 80     | 3.031 / 77     | .228 / 5.8     | .728 / 18.5    | .335 / 8.5     | .157 / 4.0     | .157 / 4.0     | .039 / 1.0     | .030 / .75 - .049 / 1.25        |
| QLM-80-40-20  | 3.307 / 84     | 3.150 / 80     | 3.031 / 77     | .228 / 5.8     | .768 / 19.5    | .335 / 8.5     | .157 / 4.0     | .197 / 5.0     | .079 / 2.0     | .059 / 1.5 - .098 / 2.5         |
| QLM-80-50-10  | 3.307 / 84     | 3.150 / 80     | 3.031 / 77     | .228 / 5.8     | .807 / 20.5    | .374 / 9.5     | .197 / 5.0     | .157 / 4.0     | .039 / 1.0     | .030 / .75 - .049 / 1.25        |
| QLM-80-50-20  | 3.307 / 84     | 3.150 / 80     | 3.031 / 77     | .228 / 5.8     | .846 / 21.5    | .374 / 9.5     | .197 / 5.0     | .197 / 5.0     | .079 / 2.0     | .059 / 1.5 - .098 / 2.5         |
| QLM-92-40-10  | 3.819 / 97     | 3.622 / 92     | 3.504 / 89     | .236 / 6.0     | .768 / 19.5    | .374 / 9.5     | .157 / 4.0     | .157 / 4.0     | .039 / 1.0     | .030 / .75 - .049 / 1.25        |
| QLM-92-40-20  | 3.819 / 97     | 3.622 / 92     | 3.504 / 89     | .236 / 6.0     | .807 / 20.5    | .374 / 9.5     | .157 / 4.0     | .197 / 5.0     | .079 / 2.0     | .059 / 1.5 - .098 / 2.5         |
| QLM-92-50-10  | 3.819 / 97     | 3.622 / 92     | 3.504 / 89     | .236 / 6.0     | .846 / 21.5    | .413 / 10.5    | .197 / 5.0     | .157 / 4.0     | .039 / 1.0     | .030 / .75 - .049 / 1.25        |
| QLM-92-50-20  | 3.819 / 97     | 3.622 / 92     | 3.504 / 89     | .236 / 6.0     | .886 / 22.5    | .413 / 10.5    | .197 / 5.0     | .197 / 5.0     | .079 / 2.0     | .059 / 1.5 - .098 / 2.5         |
| QLM-119-40-10 | 4.921 / 125    | 4.685 / 119    | 4.567 / 116    | .315 / 8.0     | .866 / 22.0    | .374 / 9.5     | .157 / 4.0     | .177 / 4.5     | .039 / 1.0     | .030 / .75 - .049 / 1.25        |
| QLM-119-40-20 | 4.921 / 125    | 4.685 / 119    | 4.567 / 116    | .315 / 8.0     | .906 / 23.0    | .374 / 9.5     | .157 / 4.0     | .217 / 5.5     | .079 / 2.0     | .059 / 1.5 - .098 / 2.5         |
| QLM-119-50-10 | 4.921 / 125    | 4.685 / 119    | 4.567 / 116    | .315 / 8.0     | .945 / 24.0    | .413 / 10.5    | .197 / 5.0     | .177 / 4.5     | .039 / 1.0     | .030 / .75 - .049 / 1.25        |
| QLM-119-50-20 | 4.921 / 125    | 4.685 / 119    | 4.567 / 116    | .315 / 8.0     | .984 / 25.0    | .413 / 10.5    | .197 / 5.0     | .217 / 5.5     | .079 / 2.0     | .059 / 1.5 - .098 / 2.5         |
| QLM-119-60-10 | 4.921 / 125    | 4.685 / 119    | 4.567 / 116    | .315 / 8.0     | 1.024 / 26.0   | .453 / 11.5    | .236 / 6.0     | .177 / 4.5     | .039 / 1.0     | .030 / .75 - .049 / 1.25        |
| QLM-119-60-20 | 4.921 / 125    | 4.685 / 119    | 4.567 / 116    | .315 / 8.0     | 1.063 / 27.0   | .453 / 11.5    | .236 / 6.0     | .217 / 5.5     | .079 / 2.0     | .059 / 1.5 - .098 / 2.5         |

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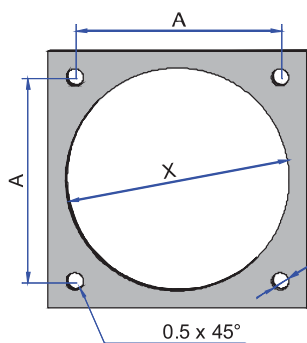
REV. QLM003



## Recommended mounting styles / hole cut-outs and measure for mounting plates and housing walls.

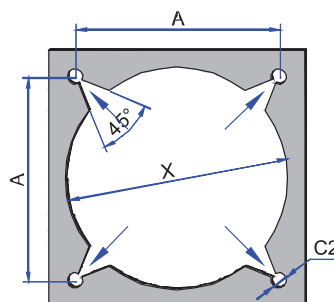
Dependant on given space circumstances there are four possible ways to mount the elastic sleeves

Only one hole cut-out has to be used to install the sleeve on a mounting plate or housing wall.



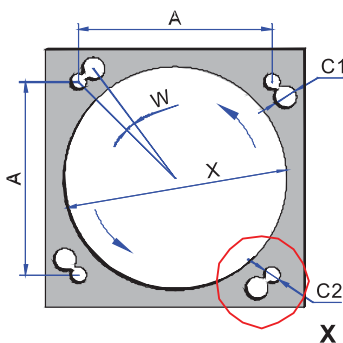
### Mounting style/ Hole cut-out 1 Plug-in mounting

First pull the sleeve over the flange of the fan, then place the four pegs on the holes **B** of the mounting plate and pull them through from the back side.



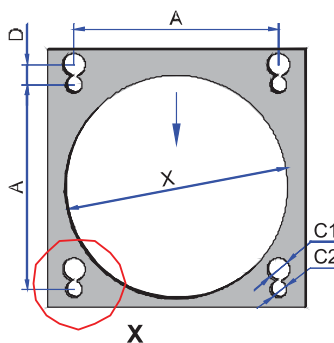
### Mounting style/ Hole cut-out 2 Plug-and-pull mounting

First place the four pegs through the 45° outbreak in the mounting plate and pull them out into the holes **C2**. Now put the fan into the sleeve and pull the corners over the flanges of the fan.



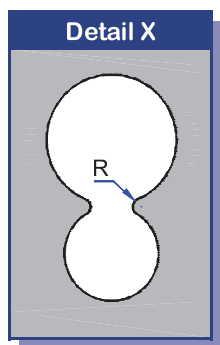
### Mounting style/ Hole cut-out 3 plug-and turn mounting

First pull the sleeve over the flange of the fan, then place the four pegs in the larger holes **C1** of the mounting plate and pull the pegs with a turn into the holes **C2**.



### Mounting style/ Hole cut-out 4 Plug-and-push mounting

First pull the sleeve over the flange of the fan, then place the four pegs in the larger holes **C1** of the mounting plate and push the pegs down into the holes **C2**.



### !! Please Note !!

By adjusting the size D/W and the size of radius R the resistance to mount and remount the fan with sleeve can be altered.

### Mounting style / Hole cut-out 1

is preferable when there is limited space around the fan. Please note! You need space at the back side to pull out the pegs.

### Mounting style / Hole cut-out 2

is recommend, when the space around the fan allows to pull the sleeve over the fan flanges. You don't need access to the back side.

### Mounting style / Hole cut-out 3/4

are the quickest ways to attach the fans provided sufficient space is available to pull or turn the sleeve and fan. Access to the back side is not necessary.

**We are always available for consultation should you have any question regarding the appropriate mounting style / hole cut-out and mounting procedure.**

| Hole cut-out dimensions | A     | B   | C1   | C2  | D    | R       | W     | X                                               |
|-------------------------|-------|-----|------|-----|------|---------|-------|-------------------------------------------------|
| For QLM-30...           | 24.0  | 4.5 | 5.5  | 4.0 | 5.0  | 0.5-1.0 | 16.5° | Form / dimensions dependent on fan manufacturer |
| For QLM-40...           | 32.0  | 5.0 | 6.5  | 4.5 | 5.75 | 0.5-1.0 | 14.5° | Form / dimensions dependent on fan manufacturer |
| For QLM-50...           | 42.0  | 5.0 | 6.5  | 4.5 | 5.75 | 0.5-1.0 | 11.0° | Form / dimensions dependent on fan manufacturer |
| For QLM-60...           | 50.0  | 5.5 | 7.5  | 5.0 | 6.5  | 0.5-1.0 | 10.5° | Form / dimensions dependent on fan manufacturer |
| For QLM-80...           | 71.5  | 6.5 | 8.0  | 6.0 | 7.0  | 0.5-1.0 | 8°    | Form / dimensions dependent on fan manufacturer |
| For QLM-92...           | 82.5  | 6.5 | 8.5  | 6.0 | 7.25 | 0.5-1.0 | 7°    | Form / dimensions dependent on fan manufacturer |
| For QLM-119...          | 105.0 | 8.5 | 11.0 | 8.0 | 9.5  | 1.0-2.0 | 7°    | Form / dimensions dependent on fan manufacturer |
| All dimensions in mm!   |       |     |      |     |      |         |       |                                                 |