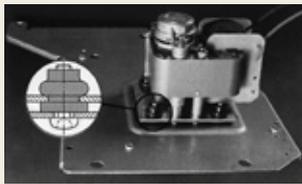


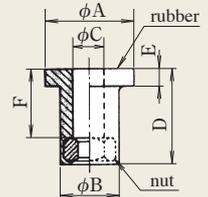
QUIETITE® Vibration Isolating Rubber



Installation example (fan motor for cooling heater)

■ Shape and size

QUIETITE® is a fastener with a vibration isolation effect, tightly fastened by a nut implanted on the inside of a rubber sleeve tip. The rubber consists of synthetic rubber (EPDM) that particularly excels in ozone and weathering resistance, and therefore does not suffer from the loss of properties in the attached state for a long period. The operating temperature range is -30°C~80°C.



QUIETITE® Shape Diagram

●The material of this product complies with the RoHS directive (2002/95/EC).

■ Table 1 / Dimensions

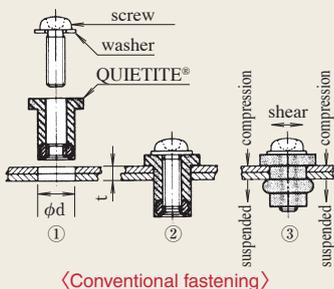
Model No.	Size of screws	Product mass (g)	Dimensions (mm)					
			A	B	C	D	E	F
Q-3	M3×0.5	0.77	9	7.2	3.4	11.5	2.5	8.1
Q-4	M4×0.7	1.65	12	9.3	4.4	14.5	3.0	10.3
Q-5	M5×0.8	2.6	15	10.2	5.4	18.0	3.5	13.0
Q-6	M6×1.0	4.9	18	12.7	6.4	21.0	4.0	15.0
Q-8	M8×1.25	10.4	24	16.5	8.4	27.0	5.0	19.5

*One bag consists of 100 pcs.

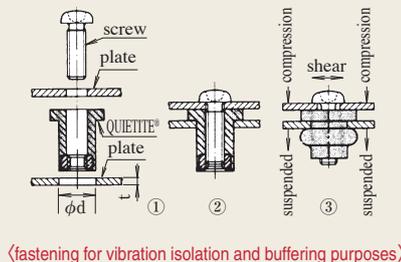
■ Fastening method

There are a fastening method only for fixing purposes, and a fastening method mainly for vibration isolation and buffering purposes. With both methods the fastening is carried out by inserting the QUIETITE® into the hole (plate holes and deep holes consisting of metal, concrete, plastics, glass, wood, etc.) and entwisting in with a screw, which inflates the rubber sleeve and enables the fastening procedure to conclude swiftly. These fastening methods can also be easily applied to narrow spaces such as square and round pipes which are not easily accessible.

●Fastening example to plate holes

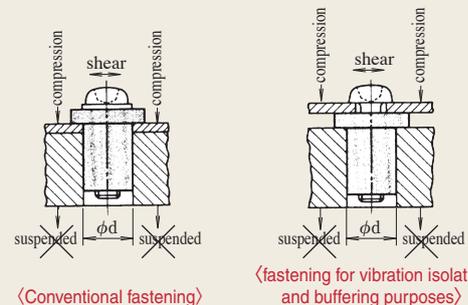


<Conventional fastening>



<fastening for vibration isolation and buffering purposes>

●Fastening example to deep holes



<Conventional fastening>

<fastening for vibration isolation and buffering purposes>

●Fastening Sequence

1. Assemble in the order of screw, plate, and QUIETITE®. Regarding the hole diameter of the plate d , and thickness t please refer to Table 2.
2. Twist the screw.
3. When the screw is further crewed in, the rubber sleeve will start to inflate. Fasten until the rubber sleeve becomes this shape. Please refer to Table 2 for the tightening torque when it inflates to this shape.

■ Table 2 / The tightening torque of the QUIETITE®, maximum load, breaking load in the suspending direction

Model No.	Diameter of the plate d (mm)	Thickness t (mm)	Appropriate tightening torque (N·m)		Maximum static load (N)			Breaking load in the suspending direction (N)	
			Plate hole	Deep hole	Plate hole mounting		Plate hole	Deep hole	
					Compression	Shear suspending			Deep hole mounting Compression / shear
Q-3	7.2~ 7.5	0.6~2.5	0.29~0.39	0.39~0.49	49.0	24.5	9.81	490 or more	98
Q-4	9.3~ 9.6	0.8~3.3	0.39~0.49	0.49~0.58	68.6	34.3	9.81	686 or more	117
Q-5	10.2~10.5	0.8~4.3	0.49~0.58	0.58~0.98	98.1	49.0	14.7	980 or more	156
Q-6	12.7~13.0	1.5~5.0	0.69~0.88	2.45~3.43	137	68.6	29.4	1372 or more	313
Q-8	16.5~16.8	1.5~6.5	1.57~1.76	2.94~3.92	275	137	49.0	2744 or more	490

- Note) 1. Please ensure the maximum load for static loading to be 70% of the aforementioned maximum load.
 2. Please ensure the maximum load for when operating temperature condition is 70°C~80°C to be 70% of the aforementioned maximum load.
 3. Please do not use in the suspending direction when deep hole mounting.
 4. If the tightening is carried out at more than 4 times the appropriate tightening torque, this may cause the adhesive fracture of the rubber and metal.

■ Selection of “QUIETITE®” model

The size of the “QUIETITE®” depends on loading direction and whether it is plate hole mounting or deep hole mounting. Please select the size based on applied load.

The breaking load when the screw is drawn out in the shaft direction is the value confirmed after carrying out the accelerating test on ozone and weathering resistance in the equivalent state as being used in the atmosphere for 10 years.

■ Operating precautions

- Avoid contact of oil and solvent with QUIETITE®.
- Use a fastening tool that can use torque regulation.

■ Providing information on typical usage is possible upon your request.

QUIESCENT is a noise control technology brand created by SWCC SHOWA GROUP. Our motto is to create an environment that is earth-friendly, human-friendly and machine-friendly through the control of noise.

● This product is used indoor purpose.

SWCC SHOWA CABLE SYSTEMS CO., LTD.

www.swcc.co.jp/eng/

E-mail: kouho@hd.swcc.co.jp



Notice

Please use this product in an appropriate manner after thoroughly reading the operation manual.

- Please send us firm inquiry, request for prices and delivery to following e-mail address.
- The specification and appearance in this catalogue may be partially changed at any time without notice.
- Please confirm the separate specifications and drawings etc. for details.