

FASTENING SYSTEM

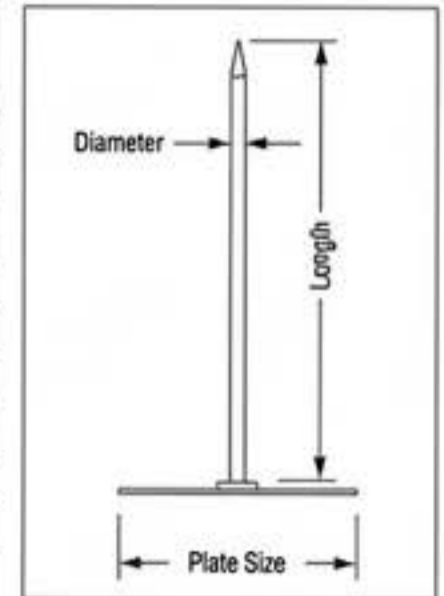
FOR HOT AND COLD INSULATION AND SOUND-PROOF WORK



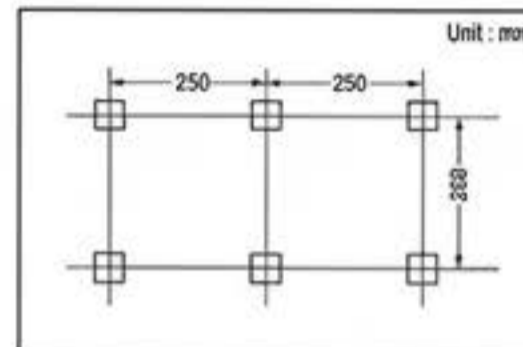
SPINDLEPIN and WASHER

SPINDLEPIN-Specifications (●: In-stock ○: Available upon request)

Material Length	Aluminum Alloy (soft)	Aluminum Alloy (soft) tape	Aluminum Alloy (Hard)	Brass Alloy (Hard)	Q' ty per Case	Packing	Adhesive Included (SP-50)
30 mm	—	—	—	●	1000Pcs×2	1 case	3 tubes×2
32 mm	—	—	●	—	1000Pcs×2	1 case	3 tubes×2
38 mm	●	* ●	—	—	1000Pcs×2	1 case	3 tubes×2
50 mm	●	* ●	—	—	1000Pcs×2	1 case	3 tubes×2
55 mm	—	—	—	●	1000Pcs×2	1 case	3 tubes×2
57 mm	—	—	●	—	1000Pcs×2	1 case	3 tubes×2
65 mm	●	* ●	—	—	1000Pcs×2	1 case	3 tubes×2
75 mm	○	—	—	○	1000Pcs	1 case	3 tubes
100 mm	—	—	○	○	1000Pcs	1 case	3 tubes
125 mm	—	—	○	○	1000Pcs	1 case	3 tubes



- ★ ● Indicate the self-sticking type spindle (Adhesive is not included)
- The content of SP-50 is 200g per one tube.
- Plate size : 24 mm. square for pin length, Plate thickness : 0.4 mm.
- Diameter of pin : 1.7 mm. dia (Aluminum Alloy : hard), 1.6 mm. dia (Aluminum : soft), Brass : Hard)
- The self-sticking type should be used for the temporary installation.
- When the Spindle is installed on the vibratory surface such as the air chamber the vibration might cause fatigue rupture on the spindlepin. Contact us for advice before you start such job.



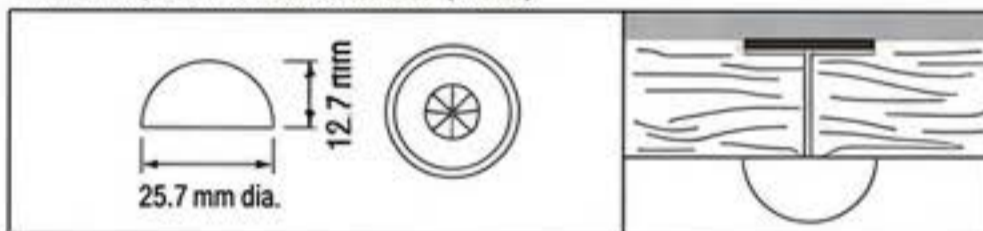
- Using material
 - Glass cloth below. 40 kg/m²
 - Finishing -- Wire net
 - Installation pieces
- Please contact with us in case of others except the above.

PLASTIC BUTTON WASHER-Specifications

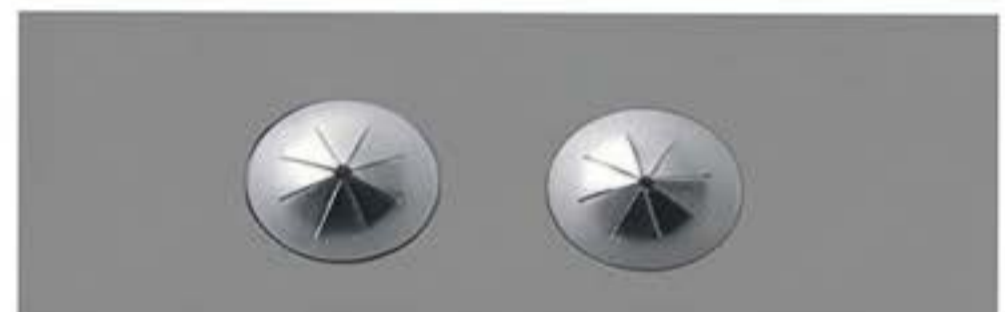


Type (Color)	Applicable Spindle	Q' ty per Case	Packing
Black, Green, Yellow, Gray, Ivory, White	1.6-1.7 dia	1000pcs	1000 x 4

● The washer part is made of the stainless steel (SUS420)

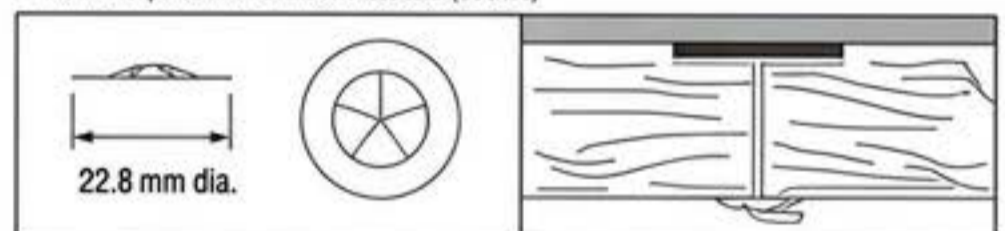


SPRINGWASHER-Specifications



Type	Applicable Spindle	Q' ty per Case	Packing
PK	1.6-1.7 dia	1000pcs	1000 x 4

● The washer part is made of the stainless steel (SUS490)



ADHESIVES and SEALANT

PERFORMANCE

Adhesive	Main Component	Cure Time	Bonding Strength	Heat Resistance Temperature
SP-50	Synthetic Rubber	24hours(20°C) 48hours(0°C)	98-196/N 10-20kgf/pce	60°C
AC-300DT	A:Modified Resin B:Modified Resin	1hours(20°C) 1hours(0°C)	196-254/N 20-30kgf/pce	90°C
AC-500 AC-500DT	A:Modified Resin B:Modified Resin	1hours(20°C) 3hours(5°C)	382-480/N 40-50kgf/pce	120°C
EP-1000	Base Resin:Epoxy Curing Agent/Modified Polymrin	24hours(20°C) 7day(2°C)	980-1,170/N 100-100kgf/pce	80°C
Duct NB SEAL	Nitrile Rubber *Color : Silver			

	Cotent	Packing
SP-50	200g tube	60 tubos
AC-300DT	60g cartridge	6set/case x 4
AC-500	300g sot tube	10cets x 5
AC-500DT	50g cartridge	6set/case x 4
EP-1000	6k,1kg set can	6kgset x 3, 1kgset x 16sets
Duct NB SEAL	150g tube	56 tubes

