

FASTENING & ASSEMBLY SOLUTIONS FOR HVAC INDUSTRY

Increase your design possibilities & boost your manufacturing productivity!

Cable Ties



Metal Snap on Nuts



Metal Panel Clips



Metal Cable Clips



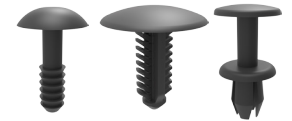
Shaft Retainers



Plastic Cable Clips



Plastic Panel Pins



Specific HVAC Clips



ARaymond **Industrial** currently provides to the HVAC market different product lines such as:



CABLE TIES

Ensuring the fastening of electrical cables, pipes or corrugated hoses to the structure or to a metal panel, the available cable ties have extra features such as edge clips, fir tree or anchor foot function, plastic clips to attach it to a pipe and or swivel function.



PLASTIC CABLE CLIPS

These parts are **simple to install and provide a reliable retention**. The product family is wide and **can be assembled in different environments** like in a hole, on a panel edge, on a stud, to cables/tubes/hoses and on flat surfaces.



METAL SNAP ON NUTS

Most of the HVAC appliances are made from thin metal sheet panels, acting as covers and fixed to an internal metal frame. This family **eliminates the need for re-work and the potential replacement of an entire panel** due to sheet metal screw stripping. It also **avoids doing weak threads in this kind of thin panels**. A wide product family is available, dimensions, different thickness range, materials and type or screw, either metric or self tapping screws.



METAL PANEL CLIPS

The main function is **to attach two panels between them**. This attachment can be done with the two panels from one direction (U-Clips) or with the two panels from opposite directions (S-Clips). Depending the direction of the spikes **can be used in different specific applications**.



SHAFT RETAINERS

Easily applied, they provide several advantages over the traditional hex-shaped cold-headed nuts, by **eliminating need for a washer and lock-washer and reducing material and investment costs**. Shaft Retainers require less torque, and the self-threading option **eliminates the need for a threaded rod or screw and can be assembled directly to injection molded parts**.



METAL CABLE CLIPS

Same function as the Plastic ones, but **ready to work in harder environments** like outdoor applications, high temperature of the pipes, high retention applications.



SPECIFIC HVAC CLIPS

ARaymond Industrial provides to the Heat, Ventilation and Air Conditioning market **specific Clips to install sensors, non-standard pipes or electronic units**, for instance.



PLASTIC PANEL PINS

Plastic push pins for **replacement of traditional solutions such as screws or rivets**. Depending the design fits in a panel hole or in a blind hole. **Aesthetic solution** thanks to small head to be unnoticeable and some solutions with **removable function**. Some application where they are used is fixing the plastic or metal covers of the front panel of an Industrial fan, or heating equipment.