

Aeroloc Quarter-Turn Fasteners

Now you can have the vintage look of Dzus quarter-turn fasteners with the 21st-century precision and strength of Camloc quarter-turn fasteners! **Aeroloc** fasteners are designed to perfectly replace Dzus EHF5 Series fasteners (similar to those shown on page 101). The diamond-shaped backing plate is the same length and width, with exactly the same rivet hole size and spacing. You won't even have to drill new holes to convert from Dzus to Aeroloc. The 700 pound working strength rating is over 8 times stronger than the Dzus EHF5 assemblies. With 9 stud lengths, 2 receptacle heights, and 2 optional receptacle shims, Aeroloc fasteners offer consistent fastening tension for assemblies from 0.110" to 0.740" thick.

Aeroloc Phillips-Head Stud Assemblies with Plain Holes have a cross recess in the head for a standard #2 Phillips screwdriver. The plain rivet holes in the backing plate are appropriate for standard (non-countersunk) 1/8" rivets. Choose the stud length based on your total grip in the chart below right.

- Aeroloc Phillips-Head Stud, Plain Holes, -07 Part No. ALC200-1007 \$9.18*
- Aeroloc Phillips-Head Stud, Plain Holes, -08 Part No. ALC200-1008 \$7.92*
- Aeroloc Phillips-Head Stud, Plain Holes, -09 Part No. ALC200-1009 \$7.92*
- Aeroloc Phillips-Head Stud, Plain Holes, -10 Part No. ALC200-1010 \$7.92*
- Aeroloc Phillips-Head Stud, Plain Holes, -11 Part No. ALC200-1011 \$9.19*
- Aeroloc Phillips-Head Stud, Plain Holes, -12 Part No. ALC200-1012 \$13.99*
- Aeroloc Phillips-Head Stud, Plain Holes, -13 Part No. ALC200-1013 \$10.35*
- Aeroloc Phillips-Head Stud, Plain Holes, -14 Part No. ALC200-1014 \$10.35*
- Aeroloc Phillips-Head Stud, Plain Holes, -15 Part No. ALC200-1015 \$10.35*

Aeroloc Phillips-Head Stud Assemblies with Dimpled Holes have a cross recess in the head for a standard #2 Phillips screwdriver. The rivet holes in the backing plate are dimpled to accept countersunk 1/8" rivets for a flush installation. Choose the stud length based on your total grip in the chart below right. Note that the dimples project 1mm (0.0394") from the back of the backing plate. If your removable panel is thinner than this, you will need to add a countersink in the stationary structure as well.

- Aeroloc Phillips-Head Stud, Dimpled Holes, -07 Part No. ALC200-1107 \$7.92*
- Aeroloc Phillips-Head Stud, Dimpled Holes, -08 Part No. ALC200-1108 \$7.92*
- Aeroloc Phillips-Head Stud, Dimpled Holes, -09 Part No. ALC200-1109 \$7.92*
- Aeroloc Phillips-Head Stud, Dimpled Holes, -10 Part No. ALC200-1110 \$7.92*
- Aeroloc Phillips-Head Stud, Dimpled Holes, -11 Part No. ALC200-1111 \$7.92*
- Aeroloc Phillips-Head Stud, Dimpled Holes, -12 Part No. ALC200-1112 \$10.35*
- Aeroloc Phillips-Head Stud, Dimpled Holes, -13 Part No. ALC200-1113 \$10.35*
- Aeroloc Phillips-Head Stud, Dimpled Holes, -14 Part No. ALC200-1114 \$10.35*
- Aeroloc Phillips-Head Stud, Dimpled Holes, -15 Part No. ALC200-1115 \$10.35*

Aeroloc Bail-Head Stud Assemblies with Plain Holes have an easy-grip wire handle for fastening without any tools. The plain rivet holes in the backing plate are appropriate for standard (non-countersunk) 1/8" rivets. Choose the stud length based on your total grip in the chart to the right.

- Aeroloc Bail-Head Stud, Plain Holes, -07 Part No. ALC200-5007 \$18.77*
- Aeroloc Bail-Head Stud, Plain Holes, -08 Part No. ALC200-5008 \$18.77*
- Aeroloc Bail-Head Stud, Plain Holes, -09 Part No. ALC200-5009 \$18.77*
- Aeroloc Bail-Head Stud, Plain Holes, -10 Part No. ALC200-5010 \$18.77*
- Aeroloc Bail-Head Stud, Plain Holes, -11 Part No. ALC200-5011 \$18.77*

Aeroloc Bail-Head Stud Assemblies with Countersunk Holes have an easy-grip wire handle for fastening without any tools. The rivet holes in the backing plate are dimpled to accept countersunk 1/8" rivets for a flush installation. Choose the stud length based on your total grip in the chart to the right. Note that the dimples project 1mm (0.0394") from the back of the backing plate. If your removable panel is thinner than this, you will need to add a countersink in the stationary structure as well.

- Aeroloc Bail-Head Stud, Dimpled Holes, -07 Part No. ALC200-5107 \$18.77*
- Aeroloc Bail-Head Stud, Dimpled Holes, -08 Part No. ALC200-5108 \$18.77*
- Aeroloc Bail-Head Stud, Dimpled Holes, -09 Part No. ALC200-5109 \$18.77*
- Aeroloc Bail-Head Stud, Dimpled Holes, -10 Part No. ALC200-5110 \$18.77*
- Aeroloc Bail-Head Stud, Dimpled Holes, -11 Part No. ALC200-5111 \$18.77*

Aeroloc Receptacles are available in two different heights to cover two different ranges of thicknesses. The 1/8" rivet holes are spaced 1.00" center-to-center to replace Dzus receptacle springs perfectly. Choose the receptacle height based on your total grip in the chart to the right.

- Aeroloc Receptacle, Standard Part No. ALC205-1000 \$3.19*
For total assembly thicknesses ranging from 0.110" to 0.350" when used with stud dash numbers -07 to -11 (to 0.470" with Phillips-Head Studs -12 to -15).
- Aeroloc Receptacle, Low-Profile Part No. ALC205-3000 \$2.49*
For total assembly thicknesses ranging from 0.350" to 0.620" when used with stud dash numbers -07 to -11 (to 0.740" with Phillips-Head Studs -12 to -15).

Aeroloc Receptacle Shims extend the usable range of Aeroloc fasteners by moving the receptacle away from the panel. This has the same effect as shortening the stud, which lets you use a longer stud or a lower-profile receptacle than you normally could. Choose the shim thickness based on your total grip in the chart to the right. Note that shims are not required for every installation.

- Aeroloc Receptacle Shim, thin (0.8mm / 0.030") Part No. ALC205-9008 \$2.07*
Adds 0.030" to the total thickness of the assembly. This has the same effect as using a stud that is one dash number shorter.
- Aeroloc Receptacle Shim, thick (1.5mm / 0.060") Part No. ALC205-9015 \$2.97*
Adds 0.060" to the total thickness of the assembly. This has the same effect as using a stud that is two dash numbers shorter.



Aeroloc stud head types:
Left: Phillips-Head,
Part Numbers ALC200-1xxx
Right: Bail-Head,
Part Numbers ALC200-5xxx

Aeroloc backing plate types:
Left: Plain Holes,
Part Numbers ALC200-x0xx
Right: Dimpled Holes,
Part Numbers ALC200-xlxx

Aeroloc receptacle types:
Left: Standard,
Part Number ALC205-1000
Right: Low-Profile,
Part Number ALC205-3000

The dash numbers shown in the chart below can be found in the last two digits of our part number (e.g., Part No. ALC200-5009 is a -09 stud).

| Grip (Total Panel Thickness) | Stud Length (mated to ALC205-1000 standard receptacle) | Stud Length (mated to ALC205-3000 low-profile receptacle) |
|---------------------------------|---|--|
| 0.110" - 0.140" | -07*** | |
| 0.140" - 0.170" | -07** | |
| 0.170" - 0.200" | -07* | |
| 0.200" - 0.230" | -07 | |
| 0.230" - 0.260" | -08 | |
| 0.260" - 0.290" | -09 | |
| 0.290" - 0.320" | -10 | |
| 0.320" - 0.350" | -11 | |
| 0.350" - 0.380" | -12 | -07**** |
| 0.380" - 0.410" | -13 | -07*** |
| 0.410" - 0.440" | -14 | -07** |
| 0.440" - 0.470" | -15 | -07* |
| 0.470" - 0.500" | | -07 |
| 0.500" - 0.530" | | -08 |
| 0.530" - 0.560" | | -09 |
| 0.560" - 0.590" | | -10 |
| 0.590" - 0.620" | | -11 |
| 0.620" - 0.650" | | -12 |
| 0.650" - 0.680" | | -13 |
| 0.680" - 0.710" | | -14 |
| 0.710" - 0.740" | | -15 |

- **** with two 0.060" shims
- *** with one 0.060" shim and one 0.030" shim
- ** with one 0.060" shim
- * with one 0.030" shim

To use this chart:

1. Measure the total thickness of panels to be fastened together.
2. Add any gap between panels (for rivet heads or panel misalignment).
3. Find your measurement in the left column.
4. Follow the line across to the right to determine which stud, receptacle, and shim (if any) combination to use.

HARDWARE