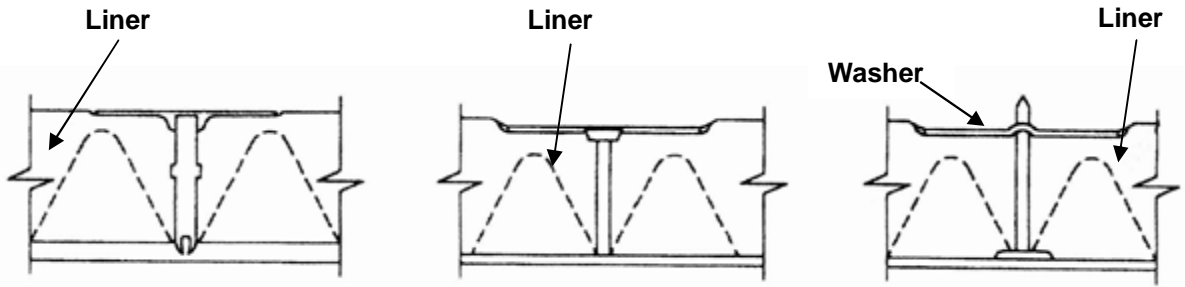




Liner Fasteners

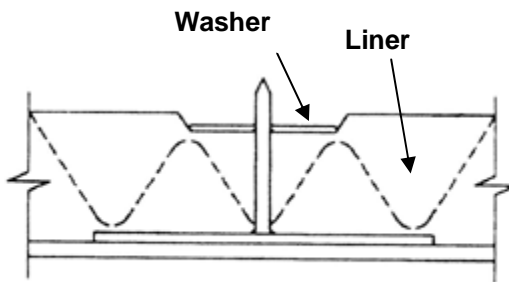
BASED ON 3rd Edition 2005 SMACNA STANDARDS



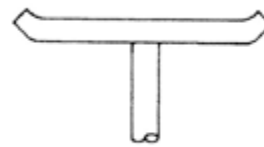
Type 1
Clinched Pin: Integral
Head-Impact Applied

Type 2
Welded Pin
Integral Head

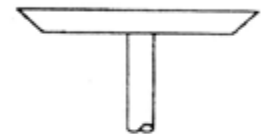
Type 3
Welded Pin
Press-On Head



Type 4
Adhered Pin
Press-On Head



Cupped



Beveled

Head Types

Installed pins and washers shall not compress liner more than the correct length specified for the liner thickness used.