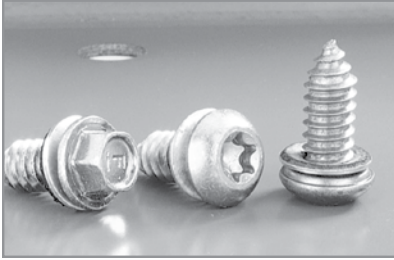




SCRU-BOLT® FASTENERS

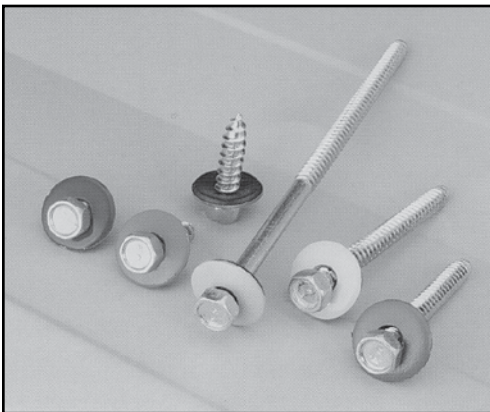


To ease the installation of standing seam roofs Scru-Bolt® fasteners are self-tapping screws developed with Butler® Manufacturing for attaching standing seam roofing panel clips to pre-punched framing members, or attaching panels to secondary structural members.

- Type AB point and self-tapping thread
- Available in carbon steel or stainless steel
- Hex washer head or Torx® truss head
- Bonded Weath-R-Seal® washer
- High-quality, tapping lead threads ease installation
- Larger-than-standard diameter provides additional shear strength
- Type AB point, assembled with bonded Weath-R-Seal® washer

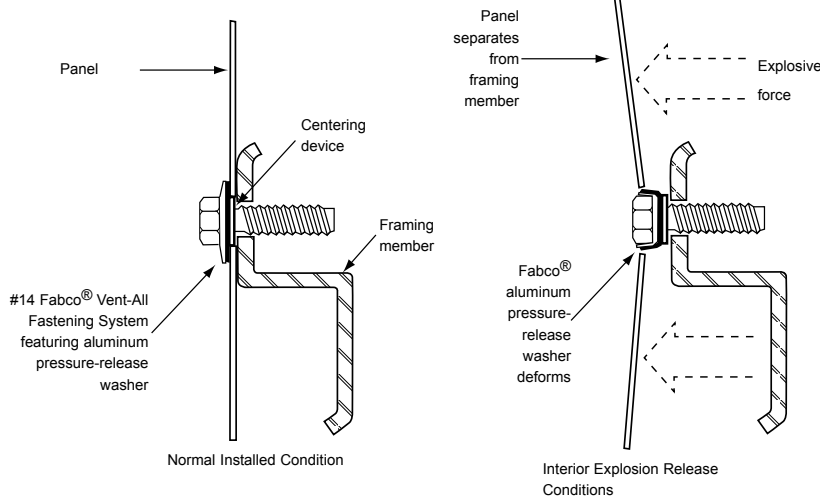
Diameter	Washer Size	Head Style	Wt./M
Carbon Steel			
23/64" x 1"	.729"	Hex Washer	32
23/64" x 1-1/4"	.729"	Hex Washer	37
23/64" x 2"	.729"	Hex Washer	55
23/64" x 2-1/4"	.729"	Hex Washer	60
23/64" x 2-3/4"	.729"	Hex Washer	70
23/64" x 3-1/2"	.729"	Hex Washer	88
23/64" x 5"	.729"	Hex Washer	121
23/64" x 6"	.729"	Hex Washer	144
11/32" x 7/8"	9/32"	Torx® Truss	26
11/32" x 1-1/2"	9/32"	Torx® Truss	38
11/32" x 2"	9/32"	Torx® Truss	48
410 Stainless Steel			
11/32" x 7/8"	.729"	Hex Washer	26
11/32" x 1-1/4"	.729"	Hex Washer	32
11/32" x 2-3/4"	1"	Hex Washer	61
23/64" x 1"	.729"	Hex Washer	31
Scru-Bolt Nut			
11/32" - 12	n/a	n/a	6

Explosion Venting Fasteners Limit damage from industrial or agricultural explosions.



A series of collapsible washers on stainless steel fasteners designed to minimize injury and destruction of property from explosions caused by agricultural or industrial operations.

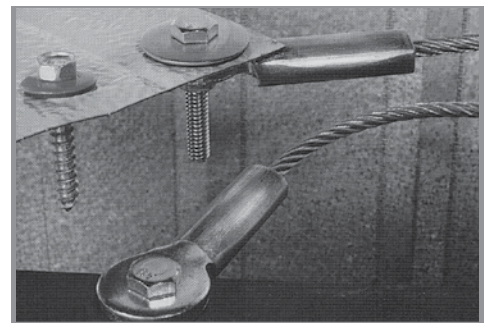
- .729" O.D. washer with special aluminum alloy bonded with EPDM or neoprene sealant.
- Stainless steel machine screws.
- Washers designed to collapse under force of explosion, allowing panel to separate and vent shock waves.
- Maintains standard building integrity
- Minimizes destruction from explosion by quickly dissipating explosive forces.
- May be used with any sheet or panel, with or without insulation, in field assembled or shop-assembled walls.



Washer Designation	Color Code	Release Value per Fastener
EXA-74	Green	70#
EXA-76	Blue	110#
EXA-79	Tan	175#
EXA-84	Light Green	435#
EXA-19	Light Blue	885#

It is suggested that all sheets or panels be provided with restraint cables, about three feet long, anchored to the structure to prevent sheets from becoming flying projectiles.

Contact TFC for information



How do you calculate the release value?

1. Determine area to be vented.
2. Apply desired release pressure per square foot to the area being vented.
3. Divide by desired number of fasteners per structural location to determine explosion venting washer.