Tie Down & Net Hardware

Certified and documented
Ancra certified products are offered under FAA regulations and military and industrial standards. All parts carry full traceability and documentation.

Overcenter Buckle – This unique 1” buckle features both simplicity and easy operation. Tension is applied by pulling web handhold and rotating lever. The lever is self-closing and will automatically rotate to full closed, detent position. Release is accomplished by pulling upward on the web handhold. The bottom surface is cushioned by the webbing. Meets FAA requirements for use on straps and nets.

Hooks – Used in a variety of strap and net applications for securing cargo.

Overcenter Buckle

- Finish: Zinc plated per ASTM B633, Class Fe/Zn, Type VI, trivalent gold chromate (RoHS compliant).
- Load Capacity: 1,800 lb
- Weight: .15 lb

Hooks

- Flat Hook w/keeper
  - Finish: Zinc plated and meets RoHS & “Green Airplane” requirements for environmentally friendly materials.
  - Load Capacity: 3,000 lb
  - Weight: .14 lb

- Wire Hook, Narrow, NAS 1211D10
  - Material: .25" diameter high strength steel wire
  - Finish: Cadmium plated per AMS-QQ-P-416, Type II, Class 3, Gold Chromate
  - Load Capacity: 3,000 lb
  - Weight: .10 lb
**Rings** – Used in a variety of tie down strap and net applications. Other sizes and styles may be available on special request and subject to minimums.

40053-11 D-Ring, 1”
Meets all NAS 1382-1 requirements except plating. Is zinc plated versus cadmium for NAS.
Load Capacity: 1,800 lb
Weight: .03 lb

48557-10 D-Ring, 1”
Meets requirements for NAS 1211A10, except wire diameter. Ring uses .25” wire dia. where NAS calls for a wire diameter of .23”.
Finish: Cadmium plated per AMS-QQ-P-416, Type II, Class 3, Gold.
Load Capacity: 5,000 lb
Weight: .07 lb

40171W28-8 Round Ring, Welded
Made from .25” dia. 1030 steel wire and cold headed for strength. Welded with a 1.75” dia round ring.
Finish: Zinc plated per ASTM B633, Type II, Class Fe/Zn 13, Gold Chromate
Weight: .04 lb

**Ring Fittings** – Are available in a variety of styles and sizes. Shown are only a few designs that are available. Others may be available upon request and may be subject to minimums.

**Swivel Fittings**

40027-10 Swivel Fitting, Short Thread
Meets NAS 1211B10, except for wire diameter. Fitting uses .25” wire diameter, whereas the NAS calls out .23” wire diameter.
Finish: Cadmium plated per AMS-QQ-P-416, Type II, Class 3 and baked.
Load Capacity: 1,800 lb
Weight: .09 lb

40028-10 Swivel Fitting, Long Thread, NAS 1211C10
40028-18 Swivel Fitting, Long Thread, NAS 1211C17
Finish: Cadmium plated per AMS-QQ-P-416, Type II, Class 3 and baked.
Load Capacity: -10 1,800 lb, -18 5,000 lb
Weight: -10: .09 lb, -18: .26 lb
**Breakaway Fittings** – These fittings are desirable in some strap assemblies to eliminate the need for an additional buckle. Tensioning of straps is accomplished by pulling the handhold. The fitting is released by lifting the spring-loaded retainer and sliding the fitting free of the track. Sideplates, stud, and cross pins are heat treated alloy steel and cadmium plated. Retainers are heat treated cast steel. Other styles may be available on special request and may be subject to minimums.

**Finish:** Cadmium plated per AMS-QQ-P-416, Type II, Class 3 and baked.

**Load Capacity:** **at 45° angle to the track surface.**

<table>
<thead>
<tr>
<th>Dash No.</th>
<th>Load Capacity</th>
<th>Pin Color</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>-10</td>
<td>1600 lb.min</td>
<td>Gold</td>
<td>0.23</td>
</tr>
<tr>
<td>-26</td>
<td>2700 lb.</td>
<td>Green</td>
<td>0.20</td>
</tr>
<tr>
<td>-55</td>
<td>1000 lb.</td>
<td>Green</td>
<td>0.23</td>
</tr>
<tr>
<td>-58</td>
<td>750 lb.</td>
<td>Gray</td>
<td>0.16</td>
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</tbody>
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Single Stud Cargo Fittings – These fittings are normally used in strap and net applications to attach to track and anchor plates. Fits aircraft seat track with the track cross section per MS33601, narrow profile aircraft track and 40000 anchor plates. The fitting is easily inserted into and removed from the track by simply lifting the spring-loaded retainer and sliding the fitting in the track. Studs are heat treated steel alloy, retainers are cast steel, rings and springs are stainless steel. Other styles may be available on special request and may be subject to minimums.

40340-20  Single Stud Fitting w/Round Ring
40340-21  Single Stud Fitting w/D-Ring
40340-22  Single Stud Fitting w/D-Ring
40340-23  Single Stud Fitting w/D-Ring
40340-24  Single Stud Fitting w/Round Ring

Meets RoHS and “Green Airplane” requirements for environmentally friendly materials.
Finish: Zinc electroplate with Trivalent chromate topcoat.
Load Capacity: 4,000 lb vertical, 3,000 lb at 45° angle and 2,000 lb horizontal to the track surface.
Weight: -20 thru -22 & -24: .16 lb, -23: .17 lb

Single Stud Locking Cargo Fittings – These fittings are the same as the single stud fittings above, but have a locking mechanism for added security. Other styles may be available on special request and may be subject to minimums.

42546-10  Single Stud Locking Fitting w/Safety Pin
42546-12  Single Stud Locking Fitting w/Safety Pin and Cable

Meets RoHS and “Green Airplane” requirements for environmentally friendly materials.
Finish: Zinc electroplate with Trivalent chromate topcoat.
Load Capacity: 4,000 lb vertical, 3,000 lb at 45° angle and 2,000 lb horizontal to the track surface.
Weight: -10: .16 lb, -12: .20 lb
**Single Stud Cargo Fittings** – Continued

**40506-11** Single Stud Fitting w/Aluminum Retainer

- Constructed with steel stud, stainless steel ring and spring and aluminum retainer
- Steel components are zinc plated per ASTM B633, Type II, Class Fe/Zn 8. Stainless steel components are passivated per MIL-S-5002A. Aluminum component is anodized per MIL-A-8625, color green.
- Load Capacity: 4,000 lb. vertical, 3,000 lb at 45° angle and 2,000 lb horizontal.
- Weight: .10 lb

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**Double Stud Cargo Fittings** – Double stud fittings for use in strap, net or bulk cargo restraint applications.

- Fittings attach to standard and heavy duty aircraft track or pallet edge rails. Easily removed by lifting the spring loaded retainer and sliding the fitting in the track. Bodies are forged 4130 steel and plungers are high strength malleable cast steel and rings are high carbon steel. Other styles and variations may be available on special request and may be subject to minimum quantity requirements.

**47981-10** Double Stud Cargo Fitting w/round ring

- Zinc plated per ASTM B633, Type II
- Load Capacity: -10 is 10,000 lb. vertical and 5,000 lb horizontal
- -11a is 5,000 lb. in any direction.
- Weight: -10: .35 lb, -11: .36 lb

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**47981-11** Double Stud Cargo Fitting w/twisted ring

- Zinc plated per ASTM B633, Type II
- Weight: -11a: .36 lb
Adjustable SnapLatch — Can be used in some applications to eliminate the need for an additional tensioning buckle. Designed for use with one inch webbing. Tensioning of the strap is accomplished by pulling the handhold.

Footman’s Loop — Used in a variety of light duty tie down applications on straps and nets.

Adjustable Snap Latch
45387-10 Adjustable Snap Latch
Finish: Zinc plated per ASTM B-633, Type II
Load Capacity: 1,500 lb when used with Type XVII webbing per MIL-W-4088
Weight: .17 lb

Footman’s Loop
43977-10 Footman’s Loop, 1”
Finish: Cadmium plated per AMS-QQ-P-35, Type II, Class 3 and baked.
Load Capacity: 2,000 lb
Working Load Limit: 660 lb when pulled with 1” webbing perpendicular to the track surface.
Weight: .06 lb

WARRANTY STATEMENT

All Ancra International LLC products, unless otherwise indicated, are warranted to be free from defect in material or workmanship for a period of three (3) months from date of shipment. During this period, Ancra International LLC will, at its option, repair or replace without charge any products or part thereof found to be defective in material or workmanship. This warranty does not extend to any product which has been subject to misuse, abuse, negligence, accident, alteration or repair.

Ancra International LLC agrees to repair at its factory, or duplicate F.O.B. its works, any part of its own manufacture proving defective from faulty workmanship or material, within three months from date of shipment. Provided written notice is given immediately upon the discovery of such defect and the defective part is promptly returned to the place of manufacture, all carrying charges prepaid. Outside purchased equipment and accessories are guaranteed only to the extent that the Company recovers under the original manufacturer’s guarantee. The Company shall not be held liable for any contingent damages or delays caused by defective material and will make no allowance for repairs or alterations made without its written consent.