Agreement on Trade in Civil Aircraft

TECHNICAL SUB-COMMITTEE

Additional Information on Selected Products

Norway
Revision

The following communication, dated 8 February 1982, has been received from the Delegation of Norway.

I refer to AIR/TSC/W/21 and take pleasure in submitting the enclosed additional information on the two products (CCCN 86.08 and CCCN 76.16) proposed by Norway for inclusion in the list of products covered by the Agreement.

Accord relatif au commerce des aéronefs civils

SOUS-COMITE TECHNIQUE

Renseignements additionnels concernant certains produits

Norvège
Revision

La délégation de la Norvège a fait parvenir au secrétariat la communication ci-après en date du 8 février 1982.

Me référant au document AIR/TSC/W/21, j'ai le plaisir de vous communiquer ci-joint des renseignements additionnels concernant les deux produits (positions 86.08 et 76.16 de la NCCD) dont la Norvège propose l'insertion dans la liste des produits visés par l'accord.
PRODUCT

Airborne units for loading and securing of air cargo and baggage.

CLASS
containers  CCCN 86.08
pallets     CCCN 76.16

EXAMPLES OF USE

Product: Containers for air cargo and baggage.
         Pallets for air cargo.

Reference: LD3/P/N UA-115180, LD9/P/N UA-114960, M1/P/N UA-115328,
           Pallet/P/N UA-113343 W-A, M etc.

Aircraft: A300, A310, B747, DC10, B767, L1011 and freighter versions
          of other aircraft.

TECHNICAL DESCRIPTION

Functions secured: The products secure the loads to stay in their
                  positions in the aircraft during flight.

Technology used: Mechanical  Hydraulic  Electrical  Electronic

Documents enclosed: Drawings  Illustrations  Notice

NECESSITY FOR PRODUCT

Quantity per aircraft is variable. The products are certified by Civil
Aviation Authorities (ex.: CAA/UK, FAA/USA, LBA/W.-Germ., NDCB/Norway)
and when placed in base restrained compartments constitute an integral
part of the aircraft. Valve per unit NOK 2.000,- — NOK 20.000,-.

OBSTACLES AU DETOURNEMENT DE DESTINATION PARTICULIERE

<table>
<thead>
<tr>
<th></th>
<th>Specificité technique</th>
<th>The products have been tested/certified for use in aircraft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Sources spécialisée</td>
<td>Manufacturers have to be approved by Civil Aviation Authorities.</td>
</tr>
<tr>
<td></td>
<td>Personnalisation</td>
<td>The products are designed to fit aircraft floor systems and aircraft contours</td>
</tr>
<tr>
<td>X</td>
<td>Prix élevé</td>
<td>Due to certification and strength requirements the prices are much higher than similar units for surface transport</td>
</tr>
</tbody>
</table>

NOTE: Because of the above reasons the products are only used in connection with air transport.
Lower deck type LD3

<table>
<thead>
<tr>
<th>Part number</th>
<th>Weight</th>
<th>Size (in)</th>
<th>NAS 3610 Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA-115180</td>
<td>98 kg/216 lbs</td>
<td>60.4 x 79 x 64</td>
<td>2K2C</td>
</tr>
</tbody>
</table>

**Approvals:** Type/manufacturing approvals and TSO–C90 authorization (FAR.37.199) by Norwegian Directorate of Civil Aviation and Federal Aviation Administration (FAA).

**Body:** Replaceable panels bolted together. Panels consist of stiffened skins rivetted to welded frames. Materials: Skins, 1 mm alloy ÅSV 2047–T6 and AA6061–T6, 1.5 mm AA5083–H32, Extrusions, alloy ÅSV 2046–T6.

**Base:** Plate base with 4,0 mm ÅSV 2047–T6 plates. Welded corners.

**Doors:** Flexible type stiffened with two diagonal cross wires and 3 horizontal beams in alloy ÅSV 2046–T6. Each beam has one lock.

**Maintainability:** Containers are completely assembled or disassembled in less than one hour. Flat skin construction makes repair easy and quick.

**Optional Features:** Walk through configuration. Adjustable shelf. Garment provisions.
Lower deck type LD3

<table>
<thead>
<tr>
<th>Part number</th>
<th>Weight</th>
<th>Size (in)</th>
<th>NAS 3610 type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA-115169</td>
<td>118 kg/260 lbs</td>
<td>60.4 x 79 x 64</td>
<td>2K2C</td>
</tr>
</tbody>
</table>

**Approvals:** Type/manufacturing approvals and TSO-C90 authorization (FAR.37.199) by Norwegian Directorate of Civil Aviation and Federal Aviation Administration (FAA).

**Body:** Replaceable panels bolted together. Panels consist of stiffened skins rivetted to welded frames.

**Materials:** Skins, 1 mm alloy ÅSV 2047-T6 and AA6061-T6, 1.5 mm AA5083. Extrusions, alloy ÅSV 2046-T6.

**Base:** Plate base with 4.0 mm ÅSV 2047-T6 plates. Welded corners.

**Doors:** Bi-fold metaldoors with sliding mechanism.

**Locks:** Two central locks on each door.

**Maintainability:** Containers are completely assembled or disassembled in less than one hour. Flat skin construction makes repair easy and quick.

**Optional features:** Garment provisions.

Adjustable shelf.

**Nordisk Aluminium a.s.**

P.O.Box 222 - N-3081 Holmestrand - Norway - Phone: 033-51 480
Telex: 21373 alumini - Telegram: Noralumin.
CARGO CONTAINER

IATA type AA4

<table>
<thead>
<tr>
<th>Part number</th>
<th>Weight</th>
<th>Size (in)</th>
<th>NAS 3610 type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA-114960</td>
<td>220 kg/485 lbs</td>
<td>88 x 125 x 64</td>
<td>2A2C</td>
</tr>
</tbody>
</table>

Approvals: Type/manufacturing approvals and TSO-C90 authorization (FAR.37.199) by Norwegian Directorate of Civil Aviation and Federal Aviation Administration (FAA).

Body: Replaceable panels bolted together. Panels consist of stiffened skins rivetted to welded frames.

Materials: Skins, 1 mm alloy ÁSV 2047-T6 and AA6061-T6 Extrusions, alloy ÁSV 2046-T6.

Base: Plate base with 4.0 mm ÁSV 2047-T6 plates. Welded corners.

Door: Net and cover.

Maintainability: Containers are completely assembled or disassembled in less than two hour. Flat skin construction makes repair easy and quick.

Optional Feature: Garment provisions.

Nordisk Aluminium a.s.

P.O.Box 222 - N-3081 Holmestrand - Norway - Phone: 033-51 480
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AIR CARGO PALLETS

All aluminium type with hollow edge rails and welded corners.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Dimensions</th>
<th>Weight</th>
<th>NAS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA-113343 W-A</td>
<td>88&quot; × 125&quot;</td>
<td>99 kg/218 lbs</td>
<td>NAS 3610 - 2A4P</td>
</tr>
<tr>
<td>UA-113343 W-B</td>
<td>88&quot; × 108&quot;</td>
<td>86,5 kg/191 lbs</td>
<td>NAS 3610 - 2B3P</td>
</tr>
<tr>
<td>UA-113343 W-E</td>
<td>88&quot; × 53&quot;</td>
<td>46,5 kg/103 lbs</td>
<td>NAS 3610 - 2E2P</td>
</tr>
<tr>
<td>UA-113343 W-M</td>
<td>96&quot; × 125&quot;</td>
<td>107 kg/236 lbs</td>
<td>NAS 3610 - 2M1P</td>
</tr>
</tbody>
</table>

Approvals: Type/Manufacturing approval are given by the Norwegian Directorate of Civil Aviation, Federal Aviation Administration (FAA) and Civil Aviation Administration (CAA).

Plate: 0,157" (4 mm) plate in aluminium alloy AA-7075-T6, alternatively Z74S-T6.

Edge-Rails: Hollow extrusions in high strength aluminium alloy ÅSV-2046-T6, with 1" pitch continuous seat track. The rails, which are fastened to the plate by 2" (5 mm) dia. stainless steel rivets in staggered rows, are available anodized and dyed in various colours.

Rail corners are mitred with 2" rad.

Special Feature: For greater strength and durability, rail corners are welded.

Certificate: Each pallet delivered will be supplied with an airworthiness certificate.
CARGO CONTAINER

Main deck IATA type AQ6

<table>
<thead>
<tr>
<th>Part number</th>
<th>Weight</th>
<th>Size (in)</th>
<th>NAS 3610 type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA-115328</td>
<td>272 kg/600 lbs</td>
<td>96 x 96 x 125</td>
<td>2M1C</td>
</tr>
</tbody>
</table>

Approvals: Type/manufacturing approvals and TSO-C90 authorization (FAR.37.199) by Norwegian Directorate of Civil Aviation and Federal Aviation Administration (FAA).

Body: Replaceable panels bolted together. Panels consist of stiffened skins rivetted to welded frames.

Materials: Skins, 1 mm alloy AA6061-T6.
Extrusions, alloy ÁSV 2046-T6.

Base: Plate base with 4,0 mm ÁSV 2047-T6 plates. Welded corners.

Door: Net and cover.

Maintainability: Containers are completely assembled or disassembled in less than two hours. Flat skin construction makes repair easy and quick.

Optional Features: Garment provisions. Shelf to prevent crushing cargo.

Nordisk Aluminium a.s.

P.O.Box 222 - N-3081 Holmestrand - Norway - Phone: 033-51 480
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Aluminium Air Cargo Equipment

ASV ALUMINIUM

NORDISK Containers

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Aluminium Air Cargo Equipment

NORDISK Containers

Nordisk Aluminium a.s.
Loading profiles

A310C contour

A1 (LD3) Containers

DC8-63 F Type igloo

80"

125"

A1 (LD3) Containers

(LD7)

10 FT

96"

Containers

(LD6) Container

96"

88" x 125"

Side by side

A1 (LD3) Containers

88"
Underfloor cargo compartment

FWD Cargo compartment

12 A1 (LD3) containers

OR

6 Full width containers

OR

6 A2 (LD1) containers

OR

4 pallets 88" x 125" x 64"

or optional

4 pallets 96" x 125"

or mixed containers and pallets

AFT Cargo compartment

8 A1 (LD3) containers

OR

4 Full width containers

OR

4 A2 (LD1) containers

Or spare engine in modules

Bulk 16 m³ (564 cu.ft)