FIXED PARTS DECK AND DECK STANCHIONS
LOOSE PARTS HOLD
## Container Dimensions

### Bell Lines vs. ISO-Container

<table>
<thead>
<tr>
<th>Container Type</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>53' (16150mm)</td>
<td></td>
<td></td>
<td>8'6&quot;  (2591mm)</td>
</tr>
<tr>
<td>49' (14935mm)</td>
<td></td>
<td></td>
<td>8'6&quot;  (2600mm)</td>
</tr>
<tr>
<td>48' (14630mm)</td>
<td></td>
<td></td>
<td>8'6&quot;  (2600mm)</td>
</tr>
<tr>
<td>45' (13720mm)</td>
<td></td>
<td></td>
<td>8'     (2438mm)</td>
</tr>
<tr>
<td>43' (13103mm)</td>
<td></td>
<td></td>
<td>8'     (2438mm)</td>
</tr>
<tr>
<td>40' ISO (12192mm)</td>
<td></td>
<td></td>
<td>8'     (2438mm)</td>
</tr>
<tr>
<td>40'EURO /Bell Lines (12192mm)</td>
<td></td>
<td></td>
<td>(2500mm)/(2500MM)</td>
</tr>
<tr>
<td>35' /30' ISO</td>
<td></td>
<td></td>
<td>8'     (2438mm)/(2438mm)</td>
</tr>
<tr>
<td>24'(Matson) (7430mm)</td>
<td></td>
<td></td>
<td>8' od.8'6&quot; (2438mm)od(2591)</td>
</tr>
<tr>
<td>2<em>20' (2</em>6058mm)</td>
<td></td>
<td></td>
<td>8' (2438mm)</td>
</tr>
</tbody>
</table>

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FLUSH ISO FOUNDATIONS

<table>
<thead>
<tr>
<th>TYPE</th>
<th>H</th>
<th>T</th>
<th>D</th>
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<tbody>
<tr>
<td>AA-A1</td>
<td>110</td>
<td>28</td>
<td>205</td>
</tr>
<tr>
<td>AA-A2</td>
<td>105</td>
<td>18</td>
<td>180</td>
</tr>
<tr>
<td>AA-A3</td>
<td>98</td>
<td>16</td>
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</tr>
<tr>
<td>AA-A4</td>
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</tr>
</tbody>
</table>

Specification

- Weldable shop primer
- Standard distances 203/216/258 mm
- Min. breaking loads tension 500 KN / shear 420 KN
- Min breaking loads compression 2000KN
- Standard height 110mm
- All item are approved by major classification societies
- Centre marking for easy installation
Specification

- Weldable shop primer
- Standard distances 203/216/258 mm
- Min. breaking loads shear 420 KN
- Min breaking loads compression 2000 KN
- All item are approved by major classification societies
- Centre marking for easy installation
**Specification**

- **Weldable shop primer**
- **Standard distances 203/216/258 mm**
- **Min. breaking loads tension 500 KN / shear 420 KN**
- **Min breaking loads compression 2000KN**
- **Other dimensions on request**
- **All item are approved by major classification societies**
- **Centre marking for easy installation**
RAISED ISO FOUNDATION

**Specification**

- Weldable shop primer
- Standard distances 203/216/258 mm
- Min. breaking loads tension 500 KN / shear 420 KN
- Min breaking loads compression 2000KN
- Made of casting steel
- All item are approved by major classification societies
- Centre marking for easy installation

A.04
DOVETAIL PLATES

**Specification**

- **Weldable shop primer**
- **Standard distances 203/216/258 mm**
- **Min. breaking loads tension 500 KN / shear 420 KN**
- **All item are approved by major classification societies**
- **Centre marking for easy installation**
**WELDABLE CONES**

**TYPE: AJ-A1**

**Specification**

- Weldable shop primer
- Min. breaking load shear 420 KN
- Min breaking loads compression 500KN
- All item are approved by major classification societies
- Centre marking for easy installation
- Welding chamfer all around
GUIDE FITTINGS

<table>
<thead>
<tr>
<th>TYPE</th>
<th>L</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN-A1/L/W</td>
<td>140</td>
<td>60</td>
</tr>
<tr>
<td>AN-A2/L</td>
<td>280</td>
<td>75</td>
</tr>
</tbody>
</table>

Specification

↗ Weldable shop primer
↗ Min. breaking loads shear 420 KN
↗ Other dimensions on request
↗ All item are approved by major classification societies
D-RINGS

AL-A1 (MBL: 500KN)
AL-C1 (MBL: 360KN)

Welding recommendation

Deck

Application

Specification

- Clamp weldable shop primer
- D-ring hot dip galvanised
- All item are approved by major classification societies
LASHING PLATES

Typical arrangement of lashing plates for double cross lashing systems

**Specification**

- Weldable shop primer
- Min. breaking loads tension 500 KN
- Other dimensions materials and finishes on request
- All item are approved by major classification societies
- Centre marking for easy installation
**LASHING POT**

**TYPE: AL-M1**

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**Specification**

- Weldable shop primer
- Min. breaking loads tension 360 KN
- All item are approved by major classification societies
- Centre marking for easy installation

---

A.10
D-RINGS

AL-J1

Pin has a function to prevent dropping off the round foundation

TYPE: AH-A1

AL-K1

TYPE: AE-B1

Specification

- Clamp weldable shop primer
- D-ring hot dip galvanised
- Min. breaking loads 500 KN
- All item are approved by major classification societies
D-RINGS

AL-H1

AL-L1

Application

Specification

- Clamp weldable shop primer
- D-ring hot dip galvanised
- Min. breaking loads tension AL-H1: 360KN   AL-L1: 500KN
- All items are approved by major classification societies
**TURNBUCKLES**

**TYPE: BA-A1**

Specification

- Hot dip galvanised
- Min. breaking loads tension 500 KN
- All item are approved by major classification societies
- Stand distances MIN 920~MAX 1400mm
TURNBUCKLE

TYPE: BA-K1

Standard distances
Min: 1080mm    Max: 1490mm

Specification

- Hot dip galvanised
- Min. breaking loads tension 500 KN
- All item are approved by major classification societies
**TURNBUCKLES**

**TYPE: BA-D1**

**Specification**

- Hot dip galvanised
- Min. breaking loads tension 500 KN
- All item are approved by major classification societies
- Stand distances MIN 890~MAX 1360mm
LASHING RODS

BB-B1  BB-C1  BB-F1

2000-5000

Application

Specification

Made of high tensile steel
Hot dip galvanised
Min. breaking loads tension BB-B1 BB-C1 : 500 KN
Min. breaking loads tension BB-F1 : 360 KN
Other dimensions on request
All item are approved by major classification societies

B.04
EXTENSION RODS

BB-D1  Standard distances 530mm

BB-E1  Standard distances 310mm  L=310--600

Specification

- Hot dip galvanised
- Min. breaking loads tension 500 KN
- Other dimensions materials and finishes on request
- All item are approved by major classification societies
SINGLE STACKING CONES

BC-A2  BC-A3  BC-B3

Specification

- Hot dip galvanised
- Min. breaking loads shear 420 KN
- Min breaking loads compression 800KN
- All item are approved by major classification societies
DOUBLE STACKING CONES

**Specification**

- $L = 203/216/258$
- Hot dip galvanised
- Min. breaking loads shear 500 KN
- Min breaking loads compression 800KN
- Other dimensions and finishes on request
- All item are approved by major classification societies

**Application**

BC-C1

BC-E1

BC-D2

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B.07
LOCKABLE STACKING CONES

Specification

- Hot dip galvanised
- Min. breaking loads shear 420 KN
- Min breaking loads compression 800KN
- All item are approved by major classification societies

Application
**Specification**

- Hot dip galvanised
- Min. breaking loads tension 500 KN / shear 420 KN
- Min breaking loads compression 2000 KN
- All item are approved by major classification societies

**BD-A2**

**BD-B1**

**BD-C1**
SEMI-AUTOMATIC TWISTLOCKS

BD-J1

Cone marked yellow

BD-J2

Specification

- Hot dip galvanised
- Min. breaking loads tension 500 KN / shear 420 KN
- Min breaking loads compression 2000KN
- All item are approved by major classification societies

Application

B.10
TYPE: BD-K2

- Marked red

**Specification**

- Hot dip galvanised
- Min. breaking loads tension 500 KN / shear 420 KN
- Min breaking loads compression 2000KN
- All item are approved by major classification societies
DOVETAIL TWISTLOCKS

BD-D1/ R L

45 °Standard

BD-D2/ R L

45 °Pint-size

Application

Specification

◊ Hot dip galvanised
◊ Min. breaking loads tension 500 KN / shear 420 KN
◊ Min breaking loads compression 2000KN
◊ All item are approved by major classification societies
DOVETAIL TWISTLOCKS

BD-E1/ R L

55° Standard

BD-E2/ R L

Line load

Application

Specification

- Hot dip galvanised
- Min. breaking loads tension 500 KN / shear 420 KN
- Min breaking loads compression 2000KN
- All item are approved by major classification societies
DOVETAIL TWISTLOCKS

BD-F1/ R L

45° transversal

BD-G1/ R L

55° transversal

Specification

- Hot dip galvanised
- Min. breaking loads tension 500 KN / shear 420 KN
- Min breaking loads compression 2000KN
- All item are approved by major classification societies

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DOVETAIL TWISTLOCKS

Breech-Twistlock

BD-H1/ R L

Side-Twistlock

BD-L1/ R L

Specification

❖ Hot dip galvanised
❖ Min. breaking loads tension 500 KN / shear 420 KN
❖ Min breaking loads compression 2000KN
❖ All item are approved by major classification societies

B.15
BRIDGE FITTINGS

BE-A1

Tools

BE-B1

Specification

- Hot dip galvanised
- Other dimensions, materials and finishes on request
- All items are approved by major classification societies

<table>
<thead>
<tr>
<th>TYPE</th>
<th>L</th>
<th>M.B.L</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE-A1</td>
<td>260-380</td>
<td>100KN</td>
</tr>
<tr>
<td>BE-B1</td>
<td>178-438</td>
<td>300KN</td>
</tr>
</tbody>
</table>
PRESSURE ELEMENTS

TYPE: BF-A1
Min B.L Tension 325KN
Min B.L Shear 325KN

TYPE: BF-A2
Min B.L Tension 850KN
Min B.L Shear 850KN
Min Compression 2000KN

Specification

✓ Finish painted
✓ All item are approved by major classification societies

B.17
CRINKLE BAR  TYPE: CA–A1
Min breaking loads 50KN/200 KN

D–RING  TYPE: CA–B1
Min breaking loads 200 KN

FLUSH POT  TYPE: CA–C1

CAR LASHING  TYPE: CA–D1
Min breaking loads 20 KN

**Specification**

*All item are approved by major classification societies*
LASHPOTS

TYPE: CA-E1

TYPE: CA-F1

Specification

- Weldable shop primer
- Min. breaking loads tension 200 KN
- All items are approved by major classification societies
Specification

- Weldable shop primer
- Min. breaking loads tension 500 KN / shear 420 KN
- Standard distances for double foundations 203/216/258
- Other dimensions materials and finishes on request
- All item are approved by major classification societies
TENSION LEVERS / LASHING CHAINS

TYPE: CB-B1

Chains

L is according to orders

TYPE: CB-D1

TYPE: CB-D2

TYPE: CB-D3

Specification

- Weldable shop primer
- Min. breaking loads tension 200 KN
- All item are approved by major classification societies

C.04
LASHING TURNBUCKLES

TYPE: CE-A1

Effective distance $L=633\sim900$

**Specification**

- Hot dip galvanised
- Min. breaking loads 200 KN
- All items are approved by major classification societies
LASHING TURNBUCKLE

TYPE: C E -B1

Effective distance L=415~565

Specification

✓ Hot dip galvanised
✓ Min. breaking loads 200 KN
✓ All item are approved by major classification societies
TYPE: CE-D1

Specification

- Hot dip galvanised
- Min. breaking loads 200 KN
- All item are approved by major classification societies
TRAILER HORSES

TYPE: CF-A1
Weight 130 kg

Specification

- Min breaking loads compression 1000KN
- Weight-controlled rolling gear
- All item are approved by major classification societies
TYPE: CF-B1

Specification

- Min breaking loads compression 500KN
- Weight-controlled rolling gear
- All item are approved by major classification societies
WHEEL CHOCKS

CAR CHOCKS          TYPE: CH-A1          TRAILER CHOCKS          TYPE: CH-B1

Weight: 1.2 KG          Weight: 5.2 KG

Specification

✔ Made of long life rubber
✔ Other dimensions on request
Operating rods and tools

FOR SEMI-AUTOMATIC TWISTLOCKS

DA-A1
L=1500~13500mm

FOR MANIAL TWISTLOCKS

DA-A2
L=4.0 M
L=6.0 M

Specification

✔ Made of Aluminium
✔ Other lengths on request
STORAGE BIN / FLAT RACKS

STORAGE BINS
TYPE: DA-B1

BIN L*W*H
Standard dimensions
1300*870*790

FLAT RACKS
TYPE: DA-C1

Specification

✦ Storage bins with hot dip galvanized / Flat racks with finish paint
✦ Main dimensions and strength in accordance with iso-norms
✦ Flat racks with CSC certificate
✦ Other dimensions and finishes upon request
Specification

- Weldable shop primer
- Min breaking loads tension 500KN
- Other dimensions materials and finishes upon request
**Specification**

- Hot dip galvanized
- Main dimensions and strength in accordance with iso-norms
- All item are approved by major classification societies
- Min breaking load 410 KN
CONTAINER CORNER

Top corner fitting
TYPE: DA-E1

Bottom corner fitting
TYPE: DA-E2