Instructions for CH-3

March 2012

The CH-3 is especially made for lifting containers and comes in three different variations:

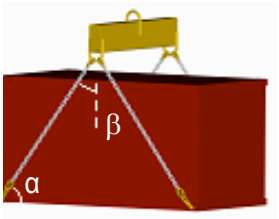
	WLL
(1) CH-3 straight	12.5
(2) CH-3 turned 45° left	12.5
(3) CH-3 turned 45° right	12.5

1 2 3

The CH-3 is suitable for following container types:

Container length (m)	Container type
12	1AAA, 1AA, 1A, 1AX
9	1BBB, 1BB, 1B, 1BX
6	1CC, 1C, 1CX
3	1D, 1DX

Angle α	Maximum angle β	Container weight (t)
30°	60°	25
37°	53°	30
45°	45°	35
60°	30°	43



If it is certain that all four legs are carrying an equal amount then a max load of 50 tonnes can be achieved.

Container length (m)	Container type	Angle α	Angle β	Container weight (t)
3, 6, 9, 12	All	90°	0°	50

- CH-3 shall always be used with a spreader, either a 2 point spreader bar or a 4 point spreader.
- CH-3 is available as a straight and turned 45 degrees. To avoid the risk of disengagement during use, a tolerance of +- 15 degrees from nominal should be adhered to.
- We recommend that you use a spreader and lift from the bottom when the container is loaded as this is where the container is strongest.

If a two point connection spreader is used the WLL of CH-3 is to be reduced due to the angles.
A 4-leg sling is also possible to use but then you need to:

- Make sure the hooks and chains can move free to the intended load angles without obstruction.
- Only lift in the bottom corners

Use edge protection to prevent sharp edges from damaging the lifting equipment. A rule of thumb is that the radius of the edge >2 x chain diameter. When lifting with chain directly on lugs we recommend that the lug diameter >3 x the pitch of the chain. If a lug diameter is less than stipulated above, the WLL must be reduced by 50%.

- Angles must not exceed prescribed angles of the sling at any point (sling legs need to be fairly long)
- a higher WLL can be used if the leg angle is close to 0 =vertical

Inspection

Regular and continuous inspections shall be carried out. We recommend inspection at least every six months. During an inspection please be aware of:

- Deformation
- Cracks
- Heavy corrosion
- Wear (must not be more than 10% of the original dimension)