

**Guidence & Restrictions regarding the coast of Halland**

2020-11-24

| Berth direction                       | Berth length                  | Bollard distance | Depth      | Max Draught | Max length | Max Breadth | Amount of tugs | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|-------------------------------|------------------|------------|-------------|------------|-------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Halmstad</b>                       |                               |                  |            |             |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| From buoy - outer pier and NBT (800)  |                               |                  | 10,6       | 9,5         | 275        | 40          |                | In the event of onshore wind $\geq 15$ m/a special assessment will be done for arriving vessels.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| From inner pier - turn area           |                               |                  | 10         | 9,5         | 200        | 32,5        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Turning area Kattegatt                |                               |                  | 10,0 - 9,0 | 8,5         | 200        | 32,5        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| River Nissan                          | 030/210, (övre delen 024/204) | 750              | 15         | 7,7         | 7          |             |                | Turn area Kattegatt have a diameter of 255m. The depth is 10,0 - 9,0m.<br>The river Nissan turn area has a diameter of 150m.<br>Vessels with a length > 180m or a breadth > 28m requires 2 pilots.<br>Berth 200,300,400 Vessels with a length > 160m or a breadth > 26m requires 2 pilots.<br>Vessels with a length > 200 will only operate in daylight.<br><br><b>VHF</b><br><br>Traffic chanel in port is VHF 18.<br>Local working chanel is VHF 12.<br><br>*Starboard side alongside its recommended to using its anchors or tugboat at average wind speed of more than 8 m/s from the SSE-SSW. |
| Berth 200 - 219                       | 037/217                       | 550              | 15         | 8,8         | 8,3        |             | 125            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Berth 219 - 234                       |                               |                  | 15         | 8,6         | 8,1        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cross berth east - 301                | 127/307                       | 90               | 13         | 6           | 5,5        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Berth 301 - 316                       | 032/217                       | 220              | 15         | 8,6         | 8,1        |             | 180            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Oil jetty / 400                       | 048/228                       | 70               | 20         | 8,8         | 8,3        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Berth 501 - 512                       | 045/225                       | 320              | 15         | 7,8         | 7,3        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Berth 512 - 524 (Stena)               | 045/225                       |                  | 15         | 8,3         | 7,8        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Berth 600 - 609                       | 089/269                       | 310              | 15         | 9           | 8,5        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Berth 609 - 620                       |                               |                  | 20         | 9           | 8,5        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Berth 700*                            | 087/267                       | 50               | 25         | 10          | 9,5        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Berth 800                             | 113,5/293,5                   | 100              | 20         | 10,6        | 9,5        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Falkenberg</b>                     |                               |                  |            |             |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| From fairway buoy - first buoy pair.  |                               |                  | 15 - 9     |             |            |             |                | In the event of wind force $\geq 15$ m/s with the directions SE and NW (onshore wind) vessels are not recommended to enter Falkenberg harbour.<br>Outer turn area has a diameter of 175 m. Inner turn area has a diameter of 145 m.<br>Vessels with a length > 130m or breadth > 23 m requires 2 pilots.<br><br>** Exceptions can be given to vessels with a maximum draft of 5,6m after consultation with the shipping company and the master.<br>* No vessels alor                                                                                                                               |
| From lighthouse to "Magasinskajen"    |                               |                  | 6,3        | 5,8         | 145        | 25          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| From "Magasinskajen" to drydock no 2. |                               |                  | 6,3        | 5,8         | 145        | 25          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| From drydock no 2 to inner turn area. |                               |                  | 6,3        | 5,8         | 125        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Turning in the inner turn area.       |                               |                  |            | 5,2         | 100        |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                       |                               |                  |            | 5,0         | 125*       |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Harbour area.</b>                  |                               |                  |            |             |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RO-RO                                 |                               |                  | 5,6        | 5,1         |            |             |                | see below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Magasinskajen                         |                               |                  | 6,3        | 5,8         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CDM                                   |                               |                  | 5,7        | 5,2**       |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Femmans brygga                        |                               |                  | 6,3        | 5,8         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lantmännen                            |                               |                  | 6,3        | 5,8         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Kivollit                              |                               |                  | 3,0        | 2,5         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nya kajen                             |                               |                  | 4,5        | 4,0         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Kustbevakningskajen                   |                               |                  | 4,5        | 4,0         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Frikajen                              |                               |                  | 3,0        | 2,5         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Limkajen                              |                               |                  | 5,0        | 4,5         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Shipyard</b>                       |                               |                  |            |             |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Drydock 1 upstream (North)            |                               |                  |            |             |            |             |                | see below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Drydock 2 downstream (South)          |                               |                  |            |             |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Equipment quay 1 (North)              |                               |                  | 6,0        | 5,5         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Equipment quay 2 (South)              |                               |                  | 6,0        | 5,5         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Varberg</b>                        |                               |                  |            |             |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Farehamnen                            |                               |                  | 11         | 10          | 215        | 33          |                | see below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Innerharbour                          |                               |                  | 7,8        | 7,3         | 160        | 25          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Inner harbour south part              |                               |                  | 7,9        | 7,4         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gyproc                                |                               |                  | 7,8        | 7,3         | 135        | 25          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| South of "Massagasinet"               |                               |                  | 4,6        | 4,1         |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Ringhals</b>                       |                               |                  |            |             |            |             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| To Krogstads udde                     |                               |                  | 13-9       |             |            |             |                | "Fares" turn area has a diameter of 320 m.<br>When Panmax arrive it must be at least 245 metres clear space on the north end of Fare Nord<br>"Gyrocksajen" length 113 m.<br>If a vessel >90m arrive or depart "Gyrocksajen" there must be a gap of 30m to the closest vessel on L-kajen.<br>"Långa kajen" is 420 m.<br>Inner harbour width is 185m (from inner red buoy to "Långa kajen").<br>Vessels with a length > 180 m or breadth > 28 m requires 2 pilots.                                                                                                                                   |
| From Krogstads udde to quay.          |                               |                  | 5,5        | 4,8         | 100        | 20          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Bollard nr | Other info                           | Length |
|------------|--------------------------------------|--------|
|            | Length of berth incl dolphin (1) 140 | 57 m   |
| 1-5        |                                      | 303 m  |
| 6-27       | Length of berth incl dolphin (5) 140 | 30 m   |
| 28-34      | Length of berth incl dolphin (1) 95  | 70 m   |
| 35-39      |                                      | 150 m  |
| 40-52      |                                      | 54 m   |
| Rings      |                                      | 140 m  |
| 55-62      |                                      | 38 m   |
| 63-64      |                                      | 68 m   |
| Rings      |                                      | 40 m   |
| 74-77      |                                      | 50 m   |
| 70-73      | Not to be used                       |        |

| Capacity (MT) | Other info                                | Dimesions             |
|---------------|-------------------------------------------|-----------------------|
|               | Inner width 20 m                          | 120x19                |
| 4500          | Inner width 27,2 m                        | 155x24                |
| 7500          |                                           | length of berth 110 m |
|               | Heigh of crane 28 m (over water surface). | length of berth 100 m |

## **Note: Guidelines to Captains, Agents and Ports regarding tugboats.**

### **Generally for the coast of Halland.**

The following guidelines are a guide for the number of tugs on arrival / departure at the coast of Halland.

The guidelines are calculated for normal current conditions, and the maximum wind speed 12 m / s. The pilot determines, after consultation with the captain if the operation can be done with sufficient safety margins

Parameters that needs to be taken into account are wind speed and direction, current and space to manoeuvre, the vessels shape over and under the water, the vessels maneuverability, UKC and available tugboats etc.

#### **Parameters for wind speed and the number of tugs.**

##### **Wind speed**

|           |                               |
|-----------|-------------------------------|
| < 12 m/s  | according to table below      |
| 12-15 m/s | extra tugs can be necessary   |
| > 15 m/s  | special assessment to be made |

Vessels that calls the coast of Halland frequent and are well known by the pilots can reduce the number of tugs under "normal conditions".

It is of great importance that these guidelines are observed at a early stage to minimize delays and to keep the cost down for tugs etc.

#### **Parameters for reduction of the number of tugs.**

Vessels equipped with bow and/or stern thruster can reduce the number of tugs (if the thrusters have sufficient power).

Vessels equipped with highlift rudder, for example Becker or Shilling rudder can reduce the number of tugs.

Vessels equipped with two propellers and two rudders can reduce the number of tugs. If a vessel is less then 160 m and shall not swing (go strait in or out) it can reduce the number of tugs.

#### **Vessels not under command.**

Vessels NUC that are arriving/departing or shifting in port shall have minimum two tugs.

#### **Shifting in Falkvarv (Falkenberg yard)**

Vessels NUC and LOA < 100 m requires minimum one tug.

Vessels NUC and LOA > 100 m requires two tugs, max wind 10 m/s

The yards working boats does not count as a tug.

## Halmstad

| LOA                                   |  |  |  | Number of tugs | If bowthruster | And sternthruster or highlift rudder or two propellers. |
|---------------------------------------|--|--|--|----------------|----------------|---------------------------------------------------------|
| <b>Berth 200 - 700 (Innerharbour)</b> |  |  |  |                |                |                                                         |
| 120 m - 140 m                         |  |  |  | 1              | 0              | 0                                                       |
| 140 m - 160 m                         |  |  |  | 2              | 1              | 0                                                       |
| 160** m - 200 m                       |  |  |  | 2*             | 2*             | 1* * one tug must be "tractor"-type or ASD              |
| <b>Berth 800</b>                      |  |  |  |                |                |                                                         |
| 120 m - 140 m                         |  |  |  | 1              | 0              | 0                                                       |
| 140 m - 160 m                         |  |  |  | 2*             | 1*             | 0 * one tug must be "tractor"-type or ASD               |
| 160 m - 200 m                         |  |  |  | 2*             | 1*             | 1* * one tug must be "tractor"-type or ASD              |
| 200 m - max                           |  |  |  | 3*             | 2*             | 2* * one tug must be "tractor"-type or ASD              |
| <b>River Nissan</b>                   |  |  |  |                |                |                                                         |
| 100 m - max                           |  |  |  | 1              | 0              | 0                                                       |

\*\* In cases where two vessels exceeding 160 x 26 meters are to berth simultaneously in the 300 basin, a special assessment shall be made by the Nautical Council (NR)

## Falkenberg

| LOA                     |  |  |  | Number of tugs | If bowthruster | And sternthruster or highlift rudder or two propellers. |
|-------------------------|--|--|--|----------------|----------------|---------------------------------------------------------|
| <b>Turn area: Outer</b> |  |  |  |                |                |                                                         |
| 130 m - 145 m           |  |  |  | 2*             | 1              | 0 * one tug must be "tractor"-type or ASD               |
| <b>Turn area: Inner</b> |  |  |  |                |                |                                                         |
| 115 m - 125 m           |  |  |  | 1*             | 0              | 0 * one tug must be "tractor"-type or ASD               |

## Varberg

| LOA                 |  |  |  | Number of tugs | If bowthruster | And sternthruster or highlift rudder or two propellers.                                                                                                                                                                           |
|---------------------|--|--|--|----------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fare Harbour</b> |  |  |  |                |                |                                                                                                                                                                                                                                   |
| 120 m - 160 m       |  |  |  | 1              | 0              | 0                                                                                                                                                                                                                                 |
| 160 m - max **      |  |  |  | 2*             | 2*             | 1* * one tug must be "tractor"-type or ASD<br>** for tankers >160m both tugs must be "tractor"-type or ASD, if the vessel has been turned (fwd pointing S) and are equipped with bowthruster one tug shall be tractor-type or ASD |
| <b>Innerharbour</b> |  |  |  |                |                |                                                                                                                                                                                                                                   |
| 120 m - 150 m       |  |  |  | 1              | 0              | 0                                                                                                                                                                                                                                 |
| 150 m - 160 m       |  |  |  | 2*             | 1              | 0 * one tug must be "tractor"-type or ASD                                                                                                                                                                                         |

