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## **Guidelines and Restrictions – Port of Karlshamn**

# Purpose

To be used by pilots, port authorities, ship owners, charterers, cargo owners, ship agents or other stakeholders for guidance about limitations and restrictions in the port of Karlshamn.

## **General information**

If no deficiencies have been reported when ordering pilot, the vessel must be suitably ballasted so that propeller, rudder and any bow- and/or stern thrusters operates with optimum efficiency. If not, due to safety reasons, the pilot has the right to postpone the arrival/departure until this has been corrected.

## **Pilot boarding position**

٠	Karlshamn East for vessels going to east harbor	N56 07.17	E014 53.36
٠	Karlshamn West for vessels going to west harbor	N56 06.55	E014 49.55
٠	Karlshamn Outer for vessels > 180 going to west harbor	N56 04.98	E014 51.65

# **Communication and Reports**

- There is no Port control. A general call on VHF ch 16 and 18 must be made before entering the fairway.
- Linesmen work on VHF ch. 13.
- Tugboats work on VHF ch. 08.

#### Linesmen

• Ships agent or captain of the vessel orders linesmen separately in advance.

#### **Fairway information**

	Fairway to/from Karlshamn										
Port	Distance from pilot boarding	Distance from outer boarding									
West Karlshamn	2.1 nm	4,9 nm									
East Karlshamn	2.7 nm										



# Anchorage and use of anchor inside port

## • Anchorage areas:

- Karlshamn inner (A) N56 06.9 E014 51.3 / Vessels Loa <180m and draft <9 m)
- Karlshamn DW (B) N56 05.3 E014 50.3 / 2,9 nm south of Sternö Island (Vessels Loa > 180m and draft > 9 m)
- Karlshamn (C) N56 04.4 E014 47.5
- Unsuitable areas:
  - Close to fairway
- Prohibited areas:
  - Safety distance minimum 1000m to underwater cables at Anchorage (A)
- Use of anchor inside port:
  - Karlshamn West : no limitations
  - Karlshamn East : marked in chart

# Berth information and maximum dimensions

	Karlshamn										
Berth	Cargo	Directio n	Length (m)	Max Loa (m)	Max Boa (m)	Depth (m) acc. MVY	Max draft (m)	Remarks			
1-KaW	RoRo	011 <sup>0</sup> / 191 <sup>0</sup>		200m		8,0m	7,5m				
2-KaW	RoRo	011 <sup>0</sup> / 191 <sup>0</sup>		200m		8,5m	7,8m				
3-KaW	RoRo/ Bulk/ General Cargo	011 <sup>0</sup> / 191 <sup>0</sup>	177m	200m		8,0m	7,5m	Max Loa 100m if quay 2 and 4 are occupied with max size vessels			
4-KaW	Bulk/Conta iner/ General Cargo	011 <sup>0</sup> / 191 <sup>0</sup>	213m +(20m)	200m		11,0m	10,5*/10,1	*If Yokohama fenders at the quayside, then 10.5m			
5-KaW	Bulk/ General Cargo	013 <sup>0</sup> / 193 <sup>0</sup>	120m	160m		7,7m	7,2m	Up to 180 m after consulting pilot			
6-KaW	Bulk/ General Cargo	013 <sup>0</sup> / 193 <sup>0</sup>	490m	160m		(7,7m)/ 8,0m	7,2m*/7,5m	*7.2 m from bollard no. 12			
7-KaW	Bulk/ General Cargo	013 <sup>0</sup> / 193 <sup>0</sup>	490m	160m		8	7,5m	Up to 180 m after consulting pilot			
8-KaW	Bulk/ Container	013 <sup>0</sup> / 193 <sup>0</sup>	490m	160m		8	7,5m	Up to 180 m after consulting pilot			
9-KaW	Bulk/Conta iner	013 <sup>0</sup> / 193 <sup>0</sup>	490m	160m		8,0 m	7,5 m	Up to 180 m after consulting pilot			
10-KaW	RoRo	142 <sup>0</sup> / 322 <sup>0</sup>	80 m			8,0m		Not in use			
11-KaW Oxhaga	Oil/LPG	065 <sup>0</sup> / 245 <sup>0</sup>	80m	230m**	**	13,0m	12,5m*	<ul><li>*) if DB, otherwise 12m</li><li>**) Specifically depending on the vessel on the opposite jetty</li></ul>			
12-KaW Kölön	Oil	058 <sup>0</sup> / 238 <sup>0</sup>	100m	245m**	**	14	13 <b>,3</b> m*	<ul><li>*) if DB, otherwise 13m</li><li>**) Specifically depending on the vessel on the opposite jetty</li></ul>			
13-KaE	Oil/Chem/ Veg	141 <sup>0</sup> / 321 <sup>0</sup>	74m	185m*	32m*	10,5	10,0m	*)180m/32m *)185m/28m			
14-KaE	Bulk	173 <sup>0</sup> / 353 <sup>0</sup>	140m	140/120	28m	9,0	8,5m	Loa 140 m if max draft 7,0 m , Loa 120 m if max draft 8,5 m			
15-KaE	Veg.oil/ Bulk	050 <sup>0</sup> / 230 <sup>0</sup>	100m +148m	160m	28m	9,0m	8,5m	Part of quay 7,5 m depth			
16-KaE	Layby/ Veg oil	349 <sup>0</sup> / 169 <sup>0</sup>	200m	160	28			Vessels over 100m max 5m draft			



# **Tugboat information and requirements**

- See guidelines below. The following are general guidelines.
- The Pilot has the right, after consultation with the captain of the vessel, to require an **increase** of the number of tugboats if deemed necessary.
- No exceptions from tugboats on first time calls. (Excemptions must be noted as a ship- and area-specific comment in Fenix.)
- Where is says "ASD" a Tractor-type tug is also acceptable. For vessels > 160 m the tugboat must be minimum 45 ton
- When a tugboat is used, visibility must be at least 200 m!

## • Escort tug requirements

- Normally not applicable
- Bollard pull/Safe working load requirements SWL (bollards and fairleads)
  - No specific requirements, but vessel to have sufficient SWL for the current operation concerning weather and loading conditions.

## • Local tugboat requirements

ASD or Tractor-type must be of minimum 45 ton for vessels > 160m

Number of tugboats – Standard for Karlshamn Stilleryd W Quay 1-2 (RoRo/Ferry)							
Loa (m)	Ferries and RoRo ships to location 1 and 2,						
<230	Ferries and RoRo are normally exempt from tugboat requirements under normal conditions and must be evaluated individually.						

	Number of tugs – Standard for Karlshamn Stilleryd W Berth 3-4									
Loa (m)	No bowthruster	Bowthruster + FPP	Bowthruster +CPP +Normal rudder	Bowthruster +CPP +Active rudder	Bow+Stern thruster and Twin screw /POD	Remarks				
>100-120	1 ASD	0	0	0	0					
>120-145	2 tugboats,one of which ASD	1 (ASD if draft >7,5m)	0	0	0					
>145-160	2 tugboats,one of which ASD	1 ASD	1 ASD	0	0					
>160-180	*2 tugboats, one of which ASD	2 tugboats, one of which ASD	2 tugboats, one of which ASD	1 ASD	Consult pilots	*) 3 Tugboats if less than 300m quay is free /or 2 ASD				
>180-200	3 tugboats, one of wich ASD or 2 ASD	3 tugboats, one of which ASD or 2 ASD (2 tugboats, one of which ASD**)	3 tugboats, one of which ASD or 2 ASD (2 tugboats, one of which ASD**)	3 tugboats, one of which ASD or 2 ASD (2 tugboats, one of which ASD**)	1 ASD	**)If bowthruster power is more than 1100 KW				
Barges of LOA >70m always 1 tug										

	Number of tugs – Standard for Karlshamn Stilleryd E Berth 5-10									
Loa (m)	No bowthruster	Bowthruster + FPP	Bowthruster +CPP +Normal rudder	Bowthruster +CPP +Active rudder	Bow+Stern thruster and Twin screw or /POD	Remarks				
>100-120	1 ASD	0	0	0	0					
>120-145	2 tugboats,one of which ASD	1 ASD	1	1	Consult pilots					
>145-160	2 tugboats,one of which ASD	2 tugboats,one of which ASD	1	1	Consult pilots					
	Barges of LOA >70m always 1 tug									

	Number of tugs-Standard for Karlshamn Berth 11 och 12 (Oxhaga/Kölön)									
Loa (m)	No bowthruster	Bowthruster + FPP	Bowthruster +CPP +Normal rudder	Bowthruster +CPP +Active rudder	Bow+Stern thruster and Twin screw /POD	Remarks				
>100-120	1 ASD	1	0	0	0					
>120-145	2 tugboats,one of which ASD	1 ASD	1	1	Consult pilots					
>145-160	2 tugboats, one of which ASD	2 tugboats, one of which ASD	1 ASD	1	Consult pilots					
>160-180	3 tugboats,one of which ASD or 2 ASD	2 tugboats,one of which ASD	1 ASDr	1 ASD	Consult pilots					
>180-200	3 tugboats, one of which ASD or 2 ASD	3 tugboats, one of which ASD or 2 ASD	2 tugboats, one of which ASD	2 tugboats, one of which ASD	Consult pilots					
>200-230	4 tugboats, 2 of which ASD	4 tugboats, 2 of which ASD	4 tugboats, 2 of which ASD	4 tugboats, 2 of which ASD	Consult pilots					
>230-245	4 tugboats, 2 of which ASD	4 tugboats, 2 of which ASD	4 tugboats, 2 of which ASD	4 tugboats, 2 of which ASD	Consult pilots					

	Number of tugs –Standard for Gastankers to Berth 11 (Oxhaga)									
Loa (m)	No bowthruster	Bowthruster + FPP	Bowthruster +CPP +Normal rudder	Bowthruster +CPP +Active rudder	Bow+Stern thruster Twin screw /POD	Remarks				
<100-120	2 tugboats, one of which ASD	1/*	0/*	0/*	0	*1extra tug if wind over 10 m/s				
>120-145	2 tugboats, one of which ASD/*	1 ASD/*	1/*	1/*	Consult pilots	*1extra tug if wind over 10 m/s				
>145-160	3 tugboats, one of which ASD	2 tugboats,one of which ASD/*	1 ASD/*	1/*	Consult pilots	*1extra tug if wind over 10 m/s				
>160-180	3 tugboats, one of which ASD	2 tugboats,one of which ASD/*	2 tugboats,one of which ASD/ *	1 ASD/ *	Consult pilots	*1extra tug if wind over 8 m/s				
>180-200	3 tugboats, 2 of which ASD/*	2 ASD /*	2 ASD /*	2 ASD /*	Consult pilots	*1extra tug if wind over 8 m/s				
>200-230*	4 tugboats, 2 of which ASD	4 tugboats, 2 of which ASD	4 tugboats, 2 of which ASD	4 tugboats, 2 of which ASD	Consult pilots					
STS <150 m	No	2 ASD	2 ASD	2 ASD	Consult pilots					

	Number of tugs-Standard for Karlshamn E berth 13 (Sutudden)								
Loa (m) No bowthruster		Bowthruster + FPP	Bowthruster Bowthruster +CPP +CPP +Active		Bow+Stern thruster Twin screw /POD	Remarks			
>100-120	1 ASD	0	0	0	0				
>120-140	2 tugboats, one of which ASD	1 ASD	1	1	Consult pilots				
>140-160	3 tugboats, one of which ASD or 2 ASD	2 tugboats,one of which ASD	1 ASD	1 ASD	Consult pilots				
>160-185	3 tugboats, one of which ASD	3 tugboats one of which ASD	3 tugboats one of which ASD	3 tugboats one of which ASD	2 tugboats one of which ASD				

	Number of tugs –Standard for Karlshamn E Kaj 14, 15, 16 (Ocean- and Soyaberth)									
Loa (m)	No bowthruster	Bowthruster + FPP	Bowthruster +CPP +Normal rudder	Bowthruster +CPP +Active rudder	Bow+Stern thruster Twin screw /POD	Remarks				
>100-120	1	0	0	0	0					
>120-140	2 tugboats, one of which ASD	1 ASD/Tractor	1	1	Consult pilots					
>140160	3 tugboats, one of which ASD or 2 ASD	2 tugboats, one of which ASD	1 ASD	1 ASD	Consult pilots					

# **Visibility restrictions**

- Karlshamn W: Berth 1-4 Ships LOA >180m
- Karlshamn W: Berth 1-4 Ships LOA >160m with draft > 7,5m
- Karlshamn W: Berth 11/12 (Oxhaga/Kölö) Ships LOA >200m
- Karlshamn E: Berth 13 (Sutudden) Ships LOA >160m Minimum 2nm
- STS operations: See special data sheet

# **Daylight restrictions**

- Karlshamn W: Berth 1-4 Ships >180m
- Karlshamn W: Berth 1-4 Ships >160m with draft > 7,5m
- Karlshamn W: Berth 11&12 (Oxhaga/Kölö) Ships >200m
- Karlshamn E: Berth 13 (Sutudden) Ships >160m

Arrival; two hours before sunset Departure; one hour before sunset Pilotage commence earliest 30 min before sunrise

#### Wind restrictions

- Karlshamn W: Berth 1-4 Ships >180 m, 10 m/s forecasted wind gusts
- Karlshamn W: Berth 11&12 (Oxhaga/Kölö) Ships >200m, 10 m/s forecasted wind gusts
- Karlshamn E: Berth 13 (Sutudden) Ships >160m, 10 m/s forecasted wind gusts

Minimum 2 nm Minimum 0,5 nm Minimum 2nm



Date 2024-05-13

• STS operations: max 10 m/s forecasted wind gusts

Source: according to SMHI/Bizmet and Viva Karlshamn

## Wave and swell restrictions

• N/A

## **Current restrictions**

• N/A

## Two man pilotage

- Karlshamn W Berth 1-10: LOA 180 meters.
- Karlshamn W Berth 3-4: LOA 160-180 meters, with draft exceeding 7.5 meters.
- Karlshamn W Berth 11&12 (Oxhaga/Kölö): LOA 200 meters and all STS.
- Karlshamn E Berth 13 (Sutudden): LOA 160 meters.

#### **Ice restrictions**

• According to www.sjofartsverket.se/winternavigation

#### **Other restrictions**

• See special STS procedures