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

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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.** (Exemptions must be noted as a ship- and area-specific comment in Fenix.)
 - Where it 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 which 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						

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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	

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Number of tugs-Standard for Karlshamn E berth 13 (Sutudden)						
Loa (m)	No bowthruster	Bowthruster + FPP	Bowthruster +CPP +Normal rudder	Bowthruster +CPP +Active rudder	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	
>140--160	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 Minimum 2 nm
- Karlshamn W: Berth 1-4 Ships LOA >160m with draft > 7,5m Minimum 0,5 nm
- Karlshamn W: Berth 11/12 (Oxhaga/Kölö) Ships LOA >200m Minimum 2nm
- 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

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- 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