

| Containership | | | | |
|---------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 150 | Alle | 0 | 0 | |
| 150 - 199 | < 9 | 0 | 0 | |
| | ≥ 9 | 0 | 0 | + 2 |
| ≥ 200 | < 9 | 1 | 1 | + 1 |
| | ≥ 9 | 2 | 2 | |

| Bulk, Tanker or Reefer ship | | | | |
|-----------------------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 100 | Alle | 0 | 0 | |
| 100 - 149 | < 5 | 0 | 0 | |
| | ≥ 5 | 0 | 0 | + 1 |
| 150 - 199 | < 9 | 1 | 1 | |
| | ≥ 9 | 2 | 2 | |
| 200 - 249 | < 9 | 1 | 1 | |
| | 9 - 14,3 | 1 | 2 | + 1 (max 2 slp) |
| | ≥ 14,3 | 1 | 2 | |
| ≥ 250 | < 9 | 1 | 1 | |
| | 9 - 14,3 | 1 | 2 | + 1 (max 2 slp) |
| | ≥ 14,3 | 2 | 2 | + 1 |

| LNG vessel | | | | |
|------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 100 | Alle | 0 | 0 | |
| 100 - 149 | < 5 | 0 | 0 | |
| | ≥ 5 | 0 | 0 | + 1 |
| 150 - 199 | < 9 | 1 | 1 | |
| | ≥ 9 | 2 | 2 | |
| 200 - 249 | < 9 | 1 | 1 | |
| | 9 - 14,3 | 1 | 2 | + 1 |
| | ≥ 14,3 | 1 | 2 | |
| ≥ 250 | < 9 | 1 | 1 | |
| | 9 - 14,3 | 1 | 2 | + 1 |
| | ≥ 14,3 | 2 | 2 | + 1 |

| Other vessel types | | | | |
|--------------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 100 | Alle | 0 | 0 | |
| 100 - 149 | < 5 | 0 | 0 | |
| | 5 - 9 | 0 | 0 | + 1 |
| | ≥ 9 | 1 | 1 | |
| 150 - 199 | < 5 | 0 | 0 | |
| | 5 - 9 | 1 | 2 | |
| ≥ 200 | ≥ 9 | 1 | 2 | |
| | < 9 | 1 | 2 | |
| | ≥ 9 | 1 | 2 | + 1 (max 2 slp) |

| Cruise ship | | | | |
|-------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 175 | Alle | 0 | 0 | |
| ≥ 175 | Alle | 0 | 0 | + 2 |

| RoRo schip | | | | |
|------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 150 | Alle | 0 | 0 | |
| 150 - 199 | Alle | 0 | 0 | + 1 |
| ≥ 200 | Alle | 0 | 0 | + 2 |

Wind is based on the wind sensors in Geulhaven for City / Botlek and based on the Noorderpier for Europort / 1st and 2nd Maasvlakte area

| Containership | | | | |
|---------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 150 | Alle | 0 | 0 | |
| 150 - 199 | < 10 | 0 | 0 | + 1 |
| | ≥ 10 | 1 | 1 | + 1 |
| 200 - 249 | < 10 | 1 | 1 | + 1 |
| | 10 - 14,3 | 1 | 2 | + 1 (max 2 slp) |
| | ≥ 14,3 | 2 | 2 | |
| 250 - 349 | < 10 | 1 | 2 | + 1 (max 2 slp) |
| | 10 - 14,3 | 2 | 2 | |
| | ≥ 14,3 | 2 | 2 | + 1 |
| ≥ 350 | < 10 | 2 | 2 | |
| | 10 - 14,3 | 2 | 2 | |
| | 14,3 - 17,4 | 2 | 3 | + 1 |
| | ≥ 17,4 | 2 | 3 | + 1 |

| Bulk, Tanker or Reefer ship | | | | |
|-----------------------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 100 | Alle | 0 | 0 | |
| 100 - 149 | < 5 | 0 | 0 | |
| | ≥ 5 | 0 | 0 | + 1 |
| 150 - 199 | < 10 | 0 | 1 | |
| | ≥ 10 | 0 | 1 | + 1 |
| | < 10 | 1 | 1 | |
| 200 - 299 | 10 - 14,3 | 1 | 2 | + 1 (max 2 slp) |
| | ≥ 14,3 | 1 | 2 | + 1 |
| | < 10 | 2 | 2 | |
| ≥ 300 | 10 - 14,3 | 2 | 2 | + 1 |
| | 14,3 - 17,4 | 2 | 2 | + 1 |
| | 17,4 - 18 | 3 | 3 | + 1 |
| | ≥ 18 | 4 | 4 | |

| LNG vessel | | | | |
|----------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 180 | < 10 | 0 | 1 | + 1 (max 2 slp) |
| ≥ 180 Inkomend | ≥ 10 | 2 | 2 | |
| | < 10 | 4 | 4 | |
| ≥ 180 Uitgaand | ≥ 10 | 4 | 4 | |
| | < 10 | 2 | 3 | |
| | ≥ 10 | 2 | 3 | + 1 |

| Other vessel types | | | | |
|--------------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 100 | Alle | 0 | 0 | |
| 100 - 149 | < 5 | 0 | 0 | |
| | 5 - 9 | 0 | 0 | + 1 |
| 150 - 199 | ≥ 9 | 1 | 1 | |
| | < 5 | 0 | 0 | |
| ≥ 200 | 5 - 9 | 1 | 2 | |
| | ≥ 9 | 1 | 2 | |
| | < 9 | 1 | 2 | |
| | ≥ 9 | 1 | 2 | + 1 (max 2 slp) |

| Cruise ship (NOT REGIO 3) | | | | |
|---------------------------|-------------|-------------------|-------------------|-----------------|
| Length (m) | Draught (m) | Min Tugs <10,8m/s | Min Tugs ≥10,8m/s | No bow thruster |
| < 150 | Alle | 0 | 0 | |
| 150 - 199 | Alle | 0 | 0 | + 1 |
| ≥ 200 | Alle | 0 | 0 | + 2 |

Wind is based on the wind sensors in Geulhaven for City / Botlek and based on the Noorderpier for Europort / 1st and 2nd Maasvlakte area

Instructions for determining the minimum number of tugboats for the harbour towage service:

- Step 1: Determine whether you will use this table to order tugboats in PCS. If you do not want to use this table, then order LAB (Pilot decides the number of tugs)
- Step 2: If the order concerns an LNG vessel or a container ship with a length >300 m, then order LAB (Pilot decides the number of tugs)
- Step 3: Determine whether the vessel is considered as special transport. If so, this table does not apply
- Step 4: If the vessel is equipped with a properly functioning bow thruster and stern thruster and/or multiple properly functioning thrusters, this table does not apply
- Step 5: Determine the vessel's destination: region City/Botlek or region Europort/1st and 2nd Maasvlakte. If the vessel is sailing to another destination, the table does not apply
- Step 6: Select the correct vessel category
- Step 7: Determine the vessel's length and draught
- Step 8: If you are an agent, use the minimum number of tugboats from the column "min. Tugs". The column with a wind speed ≥10.8 m/s does not need to be used
- Step 9: Does the vessel have a properly functioning bow thruster? If the answer is "no", check the column "no bow thruster". If this shows +1, then add 1 tugboat. You have now determined the minimum number of tugboats
- Step 10: Go to PCS. Here you order the number of tugboats. You can enter the minimum number of tugboats or, if desired, a higher number. If you would like the Pilot to determine the number of tugboats, then select LAB (Pilot decides the number of tugs)