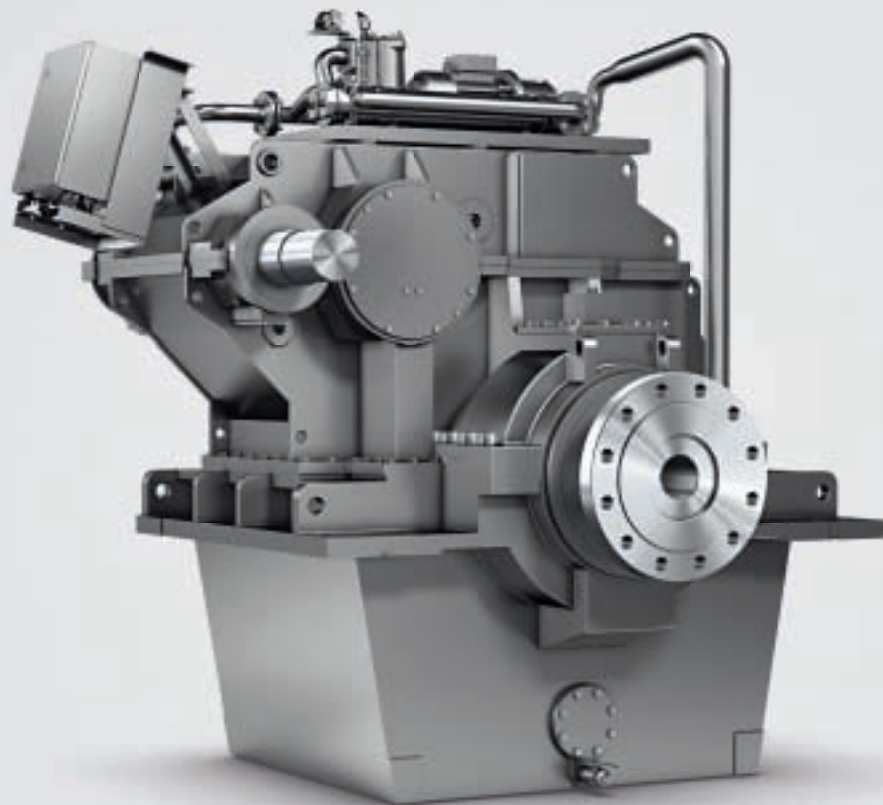


# Schiffs-Untersetzungsgetriebe Marine Reduction Gearboxes

Catalog MD 20.7 · 2010



## FLENDER application drives

Answers for industry.

**SIEMENS**



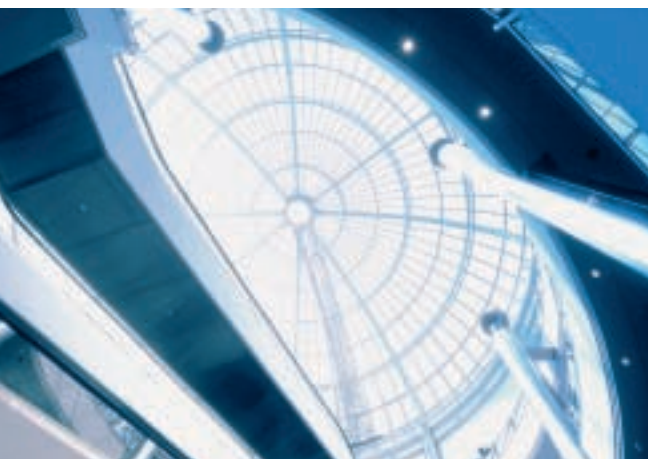
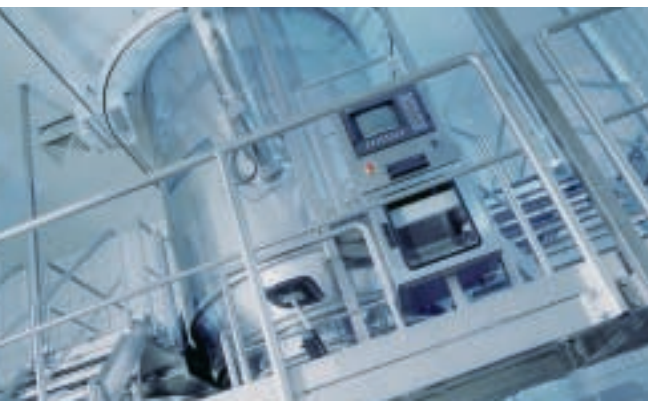
# FLENDER application drives

## Schiffs-Untersetzungsgetriebe Marine Reduction Gearboxes

Catalog MD 20.7 · 2010



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## Answers for Industry.

Siemens Industry gibt Antworten auf die Herausforderungen in der Fertigungs-, Prozess- und Gebäudeautomatisierung. Unsere Antriebs- und Automatisierungslösungen auf Basis von Totally Integrated Automation (TIA) und Totally Integrated Power (TIP) finden Einsatz in allen Branchen. In der Fertigungs- wie in der Prozessindustrie. In Industrie- wie in Zweckbauten.

Sie finden bei uns Automatisierungs-, Antriebs- und Niederspannungsschalttechnik sowie Industrie-Software von Standardprodukten bis zu kompletten Branchenlösungen. Mit der Industrie-Software optimieren unsere Kunden aus dem produzierenden Gewerbe ihre gesamte Wertschöpfungskette – von Produktdesign und -entwicklung über Produktion und Vertrieb bis zum Service. Mit unseren elektrischen und mechanischen Komponenten bieten wir Ihnen integrierte Technologien für den kompletten Antriebsstrang – von der Kupplung bis zum Getriebe, vom Motor bis zu Steuerungs- und

Antriebslösungen für alle Branchen des Maschinenbaus. Mit der Technologieplattform TIP bieten wir Ihnen durchgängige Lösungen für die Energieverteilung.

Überzeugen Sie sich selbst von den Möglichkeiten, die Ihnen unsere Automatisierungs- und Antriebslösungen bieten. Und entdecken Sie, wie Sie mit uns Ihre Wettbewerbsfähigkeit nachhaltig steigern können.



## Answers for Industry.

Siemens Industry answers the challenges in the manufacturing and the process industry as well as in the building automation business. Our drive and automation solutions based on Totally Integrated Automation (TIA) and Totally Integrated Power (TIP) are employed in all kinds of industry. In the manufacturing and the process industry. In industrial as well as in functional buildings.

Siemens offers automation, drive, and low-voltage switching technology as well as industrial software from standard products up to entire industry solutions. The industry software enables our industry customers to optimize the entire value chain – from product design and development through manufacture and sales up to after-sales service. Our electrical and mechanical components offer integrated technologies for the entire drive train – from couplings to gear units, from motors

to control and drive solutions for all engineering industries. Our technology platform TIP offers robust solutions for power distribution.

Check out the opportunities our automation and drive solutions provide. And discover how you can sustainably enhance your competitive edge with us.

## Schiffs-Untersetzungsgetriebe

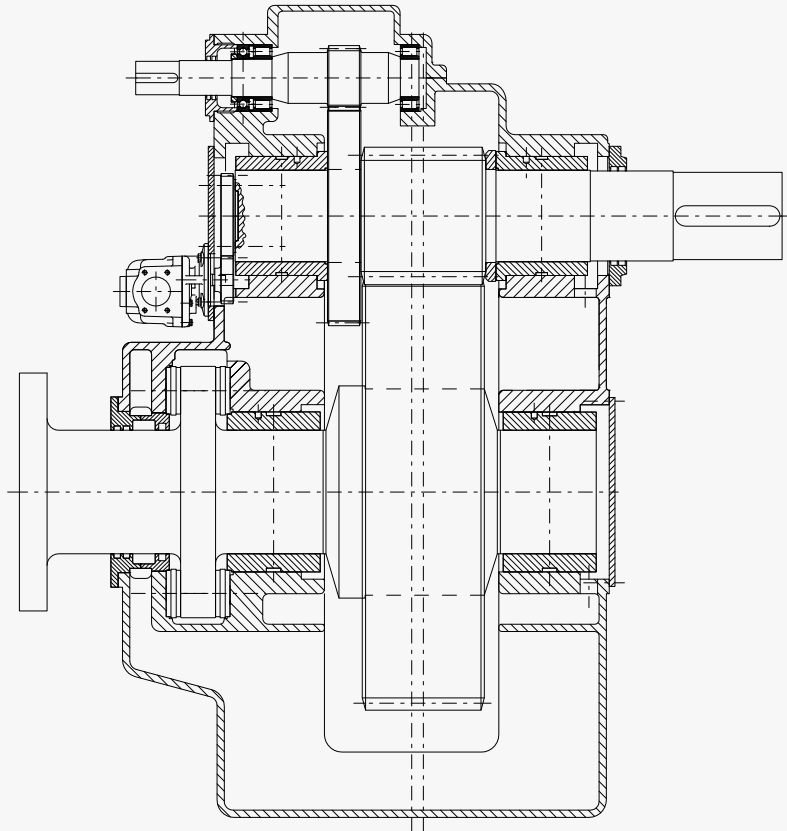
NAVILUS GUBP / GUCP

Allgemeine Hinweise

## Marine Reduction Gearboxes

NAVILUS GUBP / GUCP

General Information



### Einmotoren-Schiffsgetriebe in vertikaler Bauart

- Gehäuse aus Grauguss in verwindungssteifer Ausführung mit Verstärkungen im Bereich des Propellerdrucklagers.
- Zahnräder aus Material 17CrNiMo6, einsatzgehärtet und geschliffen.
- Lagerung erfolgt in Gleitlagern, nur die PTO-Welle ist wälzgelagert.
- Der Propellerschub wird durch Axial-Drucksegmente ins Gehäuse geleitet. Das Drucklager ist komplett mit Öl geflutet.
- Ölversorgungsanlage inkl. Stand-By-Pumpe komplett am Getriebe montiert und verrohrt, keine Rohrleitungen unterhalb des Getriebefußflansches.
- Getriebeüberwachung komplett montiert und verkabelt bis zum Schaltschrank am Getriebe.
- Dadurch erfolgt während des Probelaufs eine Überprüfung des Getriebes auch mit allen Funktionen der Ölanlage und der Überwachungseinrichtungen.

### Single reduction marine gearboxes in vertical design

- Housings made out of grey cast iron in torsionally rigid design with reinforcements in the area of the propeller thrust bearing.
- Gears made out of 17CrNiMo6, case-hardened and ground.
- Shafts are supported in plain bearings, only the PTO-shaft is supported in rolling bearings.
- The propeller thrust is transferred to the housing via thrust pads. The thrust bearing is completely flooded with oil.
- Oil supply system incl. stand-by pump completely piped and mounted to the gearbox. No piping below the housing base flange.
- Gearbox monitoring system completely mounted and cabled up to the switch cabinet on the gearbox.
- By it, all functions of the gearbox as well as the oil supply and monitoring systems are checked during the trial.

# Schiffs-Untersetzungsgetriebe

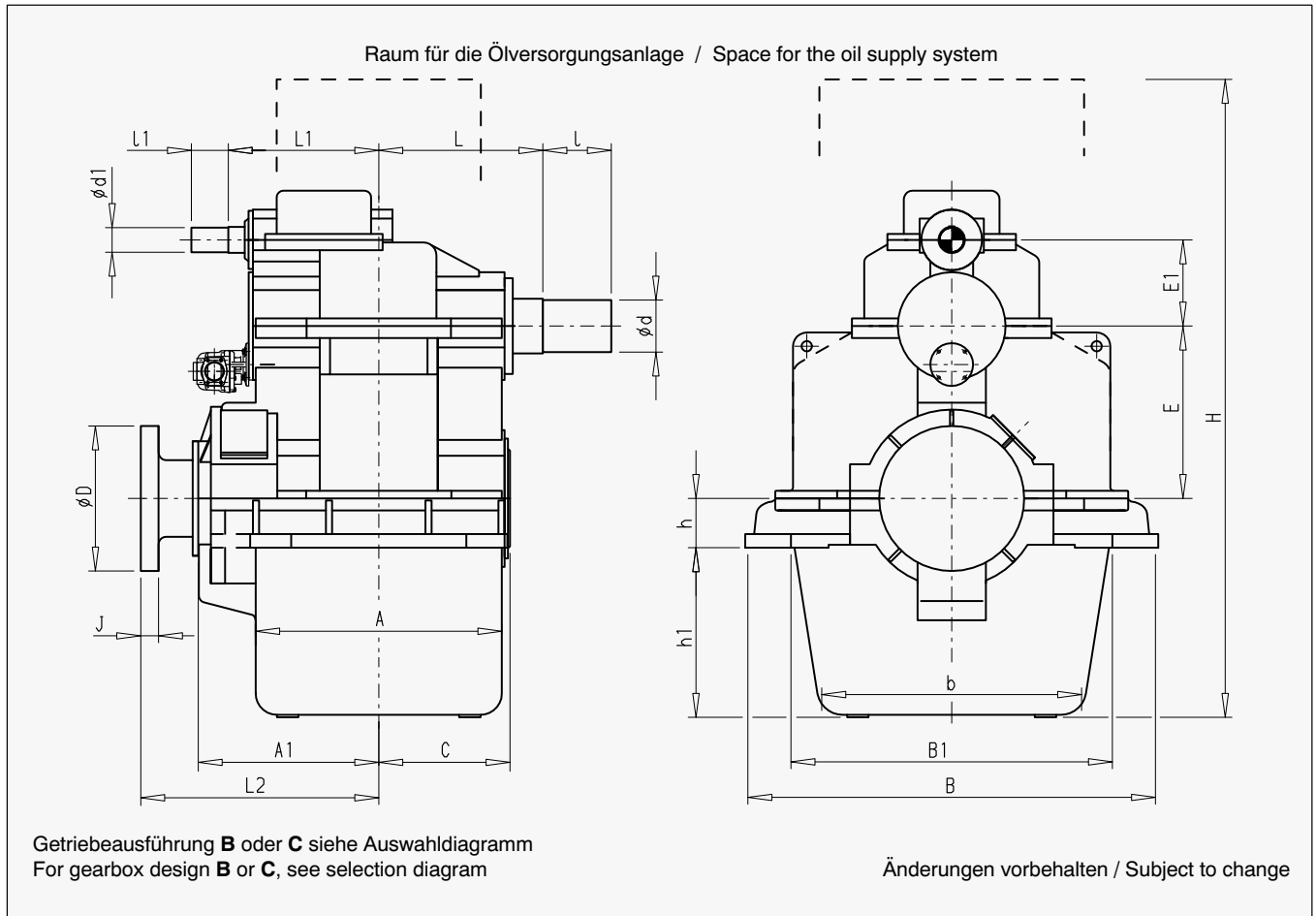
NAVILUS GUBP / GUCP

Größen 630 - 1400

# Marine Reduction Gearboxes

NAVILUS GUBP / GUCP

Sizes 630 - 1400



**Abmessungen und Gewichte / Dimensions and weights**

| Größe<br>Size | Antrieb<br>Input |         | Abtrieb<br>Output |         | PTO        |          | A    | A1   | B    | B1   | b    | C    | E    | E1  | H    | h   | h1   | L    | L1   | L2   | i<br>max. | Gewicht<br>Weight<br>1)<br>ca. t | Schub<br>Thrust<br>max.<br>kN |
|---------------|------------------|---------|-------------------|---------|------------|----------|------|------|------|------|------|------|------|-----|------|-----|------|------|------|------|-----------|----------------------------------|-------------------------------|
|               | ∅ d<br>mm        | l<br>mm | ∅ D<br>mm         | J<br>mm | ∅ d1<br>mm | l1<br>mm | mm   | mm   | mm   | mm   | mm   | mm   | mm   | mm  | mm   | mm  | mm   | mm   | mm   | mm   | mm        |                                  |                               |
| GUBP 630      | 190              | 250     | 530               | 65      | 90         | 135      | 900  | 660  | 1650 | 1330 | 1000 | 480  | 630  | 335 | 2500 | 180 | 620  | 580  | 550  | 850  | 5.2       | 5.9                              | 380                           |
| GUCP 670      | 210              | 260     | 530               | 65      | 90         | 135      | 900  | 660  | 1650 | 1330 | 1000 | 480  | 670  | 335 | 2540 | 180 | 620  | 580  | 550  | 850  | 4.8       | 6.3                              | 400                           |
| GUCP 710      | 210              | 260     | 530               | 65      | 90         | 135      | 900  | 660  | 1650 | 1330 | 1000 | 480  | 710  | 335 | 2580 | 180 | 620  | 580  | 550  | 850  | 4.5       | 6.7                              | 400                           |
| GUBP 710      | 210              | 260     | 630               | 80      | 95         | 140      | 1080 | 775  | 1800 | 1480 | 1100 | 580  | 710  | 375 | 2760 | 200 | 600  | 650  | 650  | 1000 | 5.2       | 8.8                              | 670                           |
| GUCP 750      | 240              | 300     | 630               | 80      | 95         | 140      | 1080 | 775  | 1800 | 1480 | 1100 | 580  | 750  | 375 | 2800 | 200 | 600  | 650  | 650  | 1000 | 4.8       | 9.3                              | 710                           |
| GUCP 800      | 240              | 300     | 630               | 80      | 95         | 140      | 1080 | 775  | 1800 | 1480 | 1100 | 580  | 800  | 375 | 2850 | 200 | 600  | 650  | 650  | 1000 | 4.5       | 9.7                              | 710                           |
| GUBP 800      | 250              | 315     | 710               | 90      | 105        | 155      | 1200 | 915  | 1930 | 1610 | 1250 | 640  | 800  | 425 | 3150 | 225 | 775  | 750  | 750  | 1150 | 5.2       | 13.2                             | 840                           |
| GUCP 850      | 280              | 355     | 710               | 90      | 105        | 155      | 1200 | 915  | 1930 | 1610 | 1250 | 640  | 850  | 425 | 3200 | 225 | 775  | 750  | 750  | 1150 | 4.8       | 14                               | 840                           |
| GUCP 900      | 280              | 355     | 710               | 90      | 105        | 155      | 1200 | 915  | 1930 | 1610 | 1250 | 640  | 900  | 425 | 3250 | 225 | 775  | 750  | 750  | 1150 | 4.5       | 14.8                             | 840                           |
| GUBP 900      | 280              | 355     | 800               | 95      | 115        | 170      | 1340 | 1000 | 2170 | 1810 | 1450 | 720  | 900  | 475 | 3430 | 250 | 850  | 800  | 800  | 1280 | 5.2       | 17.2                             | 970                           |
| GUCP 950      | 315              | 400     | 800               | 95      | 115        | 170      | 1340 | 1000 | 2170 | 1810 | 1450 | 720  | 950  | 475 | 3480 | 250 | 850  | 800  | 800  | 1280 | 4.8       | 18.5                             | 1030                          |
| GUCP 1000     | 315              | 400     | 800               | 95      | 115        | 170      | 1340 | 1000 | 2170 | 1810 | 1450 | 720  | 1000 | 475 | 3530 | 250 | 850  | 800  | 800  | 1280 | 4.5       | 19.8                             | 1030                          |
| GUBP 1000     | 315              | 400     | 850               | 100     | 130        | 180      | 1520 | 1110 | 2450 | 2070 | 1625 | 820  | 1000 | 530 | 3630 | 280 | 960  | 900  | 900  | 1400 | 5.2       | 23.5                             | 1200                          |
| GUCP 1060     | 355              | 450     | 850               | 100     | 130        | 180      | 1520 | 1110 | 2450 | 2070 | 1625 | 820  | 1060 | 530 | 3690 | 280 | 960  | 900  | 900  | 1400 | 4.8       | 25                               | 1300                          |
| GUCP 1120     | 355              | 450     | 850               | 100     | 130        | 180      | 1520 | 1110 | 2450 | 2070 | 1625 | 820  | 1120 | 530 | 3750 | 280 | 960  | 900  | 900  | 1400 | 4.5       | 27                               | 1300                          |
| GUBP 1120     | 355              | 450     | 950               | 100     | 140        | 180      | 1670 | 1200 | 2700 | 2280 | 1650 | 900  | 1120 | 600 | 3740 | 315 | 1085 | 1000 | 1000 | 1500 | 5.2       | 31                               | 1500                          |
| GUCP 1180     | 400              | 500     | 950               | 100     | 140        | 180      | 1670 | 1200 | 2700 | 2280 | 1650 | 900  | 1180 | 600 | 3800 | 315 | 1085 | 1000 | 1000 | 1500 | 4.8       | 33                               | 1720                          |
| GUCP 1250     | 400              | 500     | 950               | 100     | 140        | 180      | 1670 | 1200 | 2700 | 2280 | 1650 | 900  | 1250 | 600 | 3870 | 315 | 1085 | 1000 | 1000 | 1500 | 4.5       | 35                               | 1720                          |
| GUBP 1250     | 400              | 500     | 1060              | 120     | 150        | 200      | 1870 | 1280 | 2950 | 2500 | 1850 | 1000 | 1250 | 670 | 4100 | 355 | 1095 | 1100 | 1100 | 1600 | 5.2       | 39.5                             | 1850                          |
| GUCP 1320     | 450              | 560     | 1060              | 120     | 150        | 200      | 1870 | 1280 | 2950 | 2500 | 1850 | 1000 | 1320 | 670 | 4170 | 355 | 1095 | 1100 | 1100 | 1600 | 4.8       | 42.5                             | 2150                          |
| GUCP 1400     | 450              | 560     | 1060              | 120     | 150        | 200      | 1870 | 1280 | 2950 | 2500 | 1850 | 1000 | 1400 | 670 | 4250 | 355 | 1095 | 1100 | 1100 | 1600 | 4.5       | 45.5                             | 2150                          |

1) Ohne Ölfüllung

1) Without oil filling

# Schiffs-Unteretzungsgetriebe

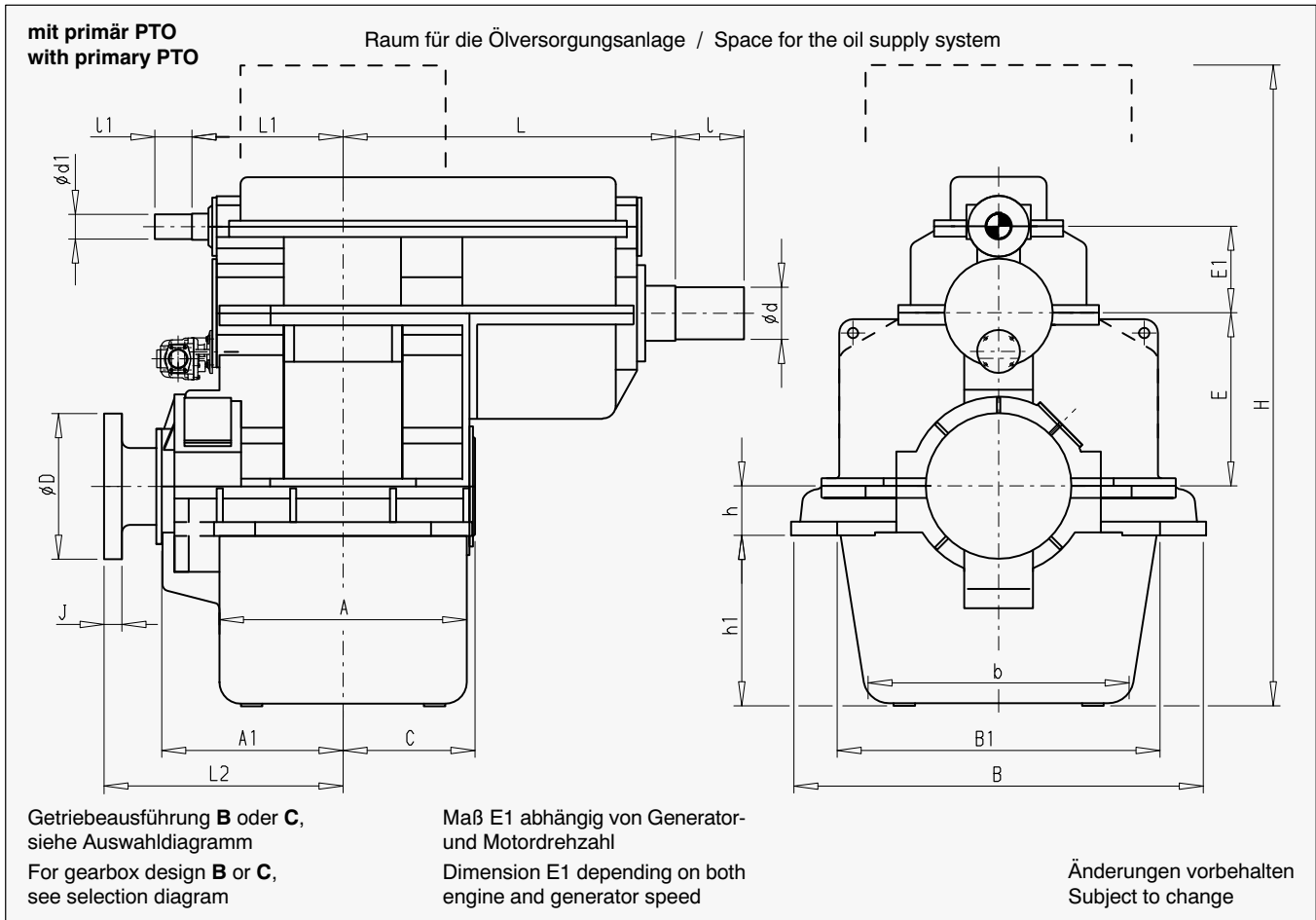
NAVILUS GUBK / GUCK

Größen 710 - 1120

# Marine Reduction Gearboxes

NAVILUS GUBK / GUCK

Sizes 710 - 1120



| Abmessungen und Gewichte / Dimensions and weights |                  |         |                   |         |                 |          |      |      |      |      |      |     |      |            |            |      |     |     |      |     |      |           |                                  |                               |
|---|------------------|---------|-------------------|---------|-----------------|----------|------|------|------|------|------|-----|------|------------|------------|------|-----|-----|------|-----|------|-----------|----------------------------------|-------------------------------|
| Größe<br>Size                                     | Antrieb<br>Input |         | Abtrieb<br>Output |         | PTO             |          | A    | A1   | B    | B1   | b    | C   | E    | E1<br>min. | E1<br>max. | H    | h   | h1  | L    | L1  | L2   | i<br>max. | Gewicht<br>Weight<br>1)<br>ca. t | Schub<br>Thrust<br>max.<br>kN |
|   | $\phi d$<br>mm   | l<br>mm | $\phi D$<br>mm    | J<br>mm | $\phi d1$<br>mm | l1<br>mm |      |      |      |      |      |     |      |            |            |      |     |     |      |     |      |           |                                  |                               |
| <b>GUBK 710</b>                                   | 210              | 260     | 630               | 80      | 95              | 140      | 1080 | 775  | 1800 | 1480 | 1100 | 580 | 710  | 450        | 550        | 2950 | 200 | 600 | 1450 | 650 | 1000 | 5.2       | 10.8                             | 670                           |
| <b>GUCK 750</b>                                   | 240              | 300     | 630               | 80      | 95              | 140      | 1080 | 775  | 1800 | 1480 | 1100 | 580 | 750  | 450        | 550        | 3000 | 200 | 600 | 1450 | 650 | 1000 | 4.8       | 11.5                             | 710                           |
| <b>GUCK 800</b>                                   | 240              | 300     | 630               | 80      | 95              | 140      | 1080 | 775  | 1800 | 1480 | 1100 | 580 | 800  | 450        | 550        | 3050 | 200 | 600 | 1450 | 650 | 1000 | 4.5       | 12.3                             | 710                           |
| <b>GUBK 800</b>                                   | 250              | 315     | 710               | 90      | 105             | 155      | 1200 | 915  | 1930 | 1610 | 1250 | 640 | 800  | 500        | 600        | 3150 | 225 | 775 | 1550 | 750 | 1150 | 5.2       | 15                               | 840                           |
| <b>GUCK 850</b>                                   | 280              | 355     | 710               | 90      | 105             | 155      | 1200 | 915  | 1930 | 1610 | 1250 | 640 | 850  | 500        | 600        | 3400 | 225 | 775 | 1550 | 750 | 1150 | 4.8       | 16                               | 840                           |
| <b>GUCK 900</b>                                   | 280              | 355     | 710               | 90      | 105             | 155      | 1200 | 915  | 1930 | 1610 | 1250 | 640 | 900  | 500        | 600        | 3450 | 225 | 775 | 1550 | 750 | 1150 | 4.5       | 17                               | 840                           |
| <b>GUBK 900</b>                                   | 280              | 355     | 800               | 95      | 115             | 170      | 1340 | 1000 | 2170 | 1810 | 1450 | 720 | 900  | 550        | 650        | 3650 | 250 | 850 | 1700 | 800 | 1280 | 5.2       | 20                               | 970                           |
| <b>GUCK 950</b>                                   | 315              | 400     | 800               | 95      | 115             | 170      | 1340 | 1000 | 2170 | 1810 | 1450 | 720 | 950  | 550        | 650        | 3700 | 250 | 850 | 1700 | 800 | 1280 | 4.8       | 22.5                             | 1030                          |
| <b>GUCK 1000</b>                                  | 315              | 400     | 800               | 95      | 115             | 170      | 1340 | 1000 | 2170 | 1810 | 1450 | 720 | 1000 | 550        | 650        | 3750 | 250 | 850 | 1700 | 800 | 1280 | 4.5       | 24                               | 1030                          |
| <b>GUBK 1000</b>                                  | 315              | 400     | 850               | 100     | 130             | 180      | 1520 | 1110 | 2450 | 2070 | 1625 | 820 | 1000 | 600        | 700        | 3850 | 280 | 960 | 1850 | 900 | 1400 | 5.2       | 28                               | 1200                          |
| <b>GUCK 1060</b>                                  | 355              | 450     | 850               | 100     | 130             | 180      | 1520 | 1110 | 2450 | 2070 | 1625 | 820 | 1060 | 600        | 700        | 3900 | 280 | 960 | 1850 | 900 | 1400 | 4.8       | 30                               | 1300                          |
| <b>GUCK 1120</b>                                  | 355              | 450     | 850               | 100     | 130             | 180      | 1520 | 1110 | 2450 | 2070 | 1625 | 820 | 1120 | 600        | 700        | 3950 | 280 | 960 | 1850 | 900 | 1400 | 4.5       | 32                               | 1300                          |

1) Ohne Öfüllung

1) Without oil filling



# Schiffs-Unteretzungsgetriebe

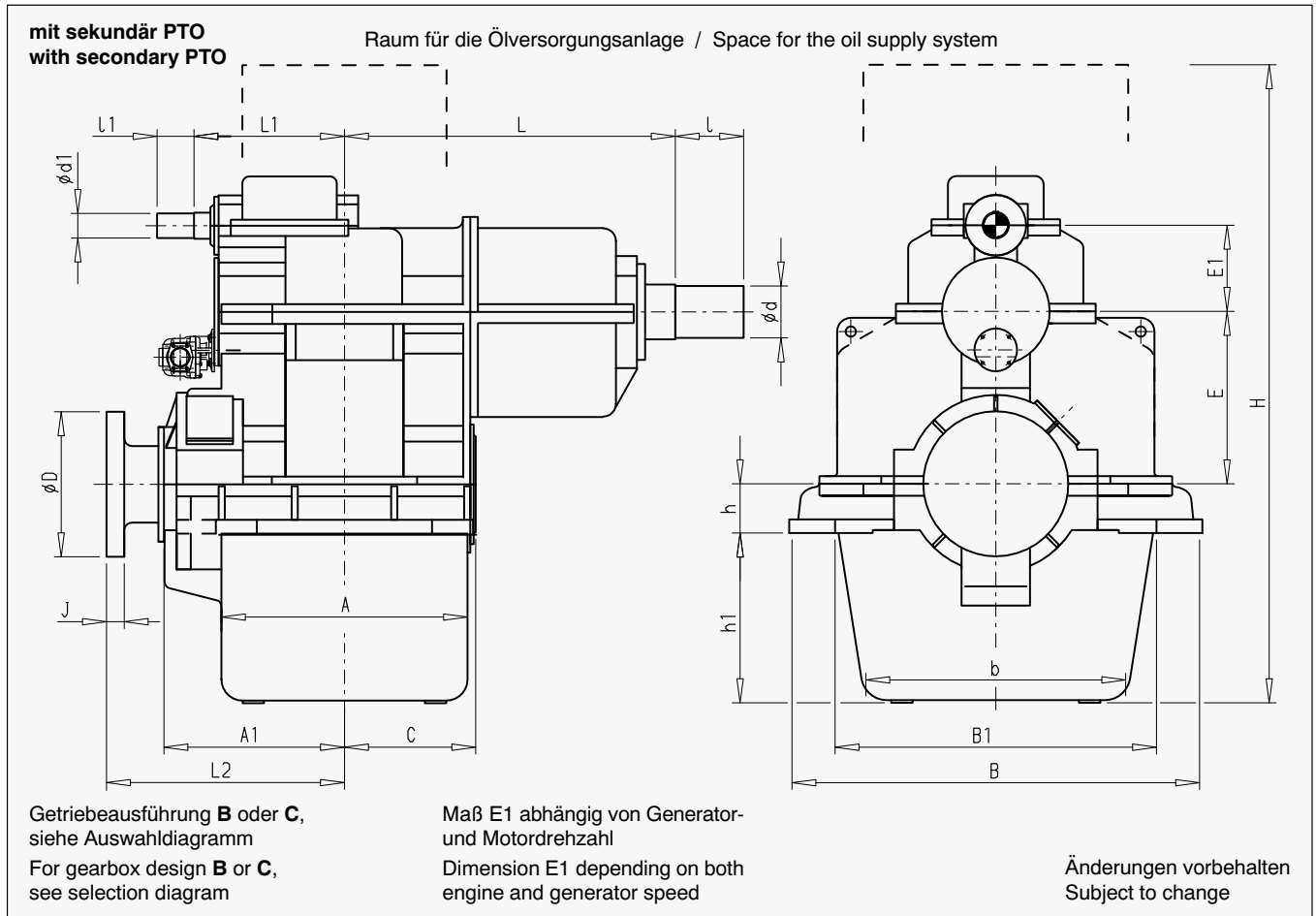
NAVILUS GUBK / GUCK

Größen 710 - 1120

# Marine Reduction Gearboxes

NAVILUS GUBK / GUCK

Sizes 710 - 1120



| Abmessungen und Gewichte / Dimensions and weights |                  |         |                   |         |                 |          |      |      |      |      |      |     |      |     |      |     |     |      |     |      |           |                                  |                               |
|---|------------------|---------|-------------------|---------|-----------------|----------|------|------|------|------|------|-----|------|-----|------|-----|-----|------|-----|------|-----------|----------------------------------|-------------------------------|
| Größe<br>Size                                     | Antrieb<br>Input |         | Abtrieb<br>Output |         | PTO             |          | A    | A1   | B    | B1   | b    | C   | E    | E1  | H    | h   | h1  | L    | L1  | L2   | i<br>max. | Gewicht<br>Weight<br>1)<br>ca. t | Schub<br>Thrust<br>max.<br>kN |
|   | $\phi d$<br>mm   | l<br>mm | $\phi D$<br>mm    | J<br>mm | $\phi d1$<br>mm | l1<br>mm | mm   | mm   | mm   | mm   | mm   | mm  | mm   | mm  | mm   | mm  | mm  | mm   | mm  | mm   |           |                                  |                               |
| <b>GUBK 710</b>                                   | 210              | 260     | 630               | 80      | 95              | 140      | 1080 | 775  | 1800 | 1480 | 1100 | 580 | 710  | 375 | 2760 | 200 | 600 | 1450 | 650 | 1000 | 5.2       | 10.2                             | 670                           |
| <b>GUCK 750</b>                                   | 240              | 300     | 630               | 80      | 95              | 140      | 1080 | 775  | 1800 | 1480 | 1100 | 580 | 750  | 375 | 2800 | 200 | 600 | 1450 | 650 | 1000 | 4.8       | 10.9                             | 710                           |
| <b>GUCK 800</b>                                   | 240              | 300     | 630               | 80      | 95              | 140      | 1080 | 775  | 1800 | 1480 | 1100 | 580 | 800  | 375 | 2850 | 200 | 600 | 1450 | 650 | 1000 | 4.5       | 11.6                             | 710                           |
| <b>GUBK 800</b>                                   | 250              | 315     | 710               | 90      | 105             | 155      | 1200 | 915  | 1930 | 1610 | 1250 | 640 | 800  | 425 | 2930 | 225 | 775 | 1550 | 750 | 1150 | 5.2       | 14.5                             | 840                           |
| <b>GUCK 850</b>                                   | 280              | 355     | 710               | 90      | 105             | 155      | 1200 | 915  | 1930 | 1610 | 1250 | 640 | 850  | 425 | 3200 | 225 | 775 | 1550 | 750 | 1150 | 4.8       | 15.5                             | 840                           |
| <b>GUCK 900</b>                                   | 280              | 355     | 710               | 90      | 105             | 155      | 1200 | 915  | 1930 | 1610 | 1250 | 640 | 900  | 425 | 3250 | 225 | 775 | 1550 | 750 | 1150 | 4.5       | 16.5                             | 840                           |
| <b>GUBK 900</b>                                   | 280              | 355     | 800               | 95      | 115             | 170      | 1340 | 1000 | 2170 | 1810 | 1450 | 720 | 900  | 475 | 3430 | 250 | 850 | 1700 | 800 | 1280 | 5.2       | 19.5                             | 970                           |
| <b>GUCK 950</b>                                   | 315              | 400     | 800               | 95      | 115             | 170      | 1340 | 1000 | 2170 | 1810 | 1450 | 720 | 950  | 475 | 3480 | 250 | 850 | 1700 | 800 | 1280 | 4.8       | 21                               | 1030                          |
| <b>GUCK 1000</b>                                  | 315              | 400     | 800               | 95      | 115             | 170      | 1340 | 1000 | 2170 | 1810 | 1450 | 720 | 1000 | 475 | 3530 | 250 | 850 | 1700 | 800 | 1280 | 4.5       | 23                               | 1030                          |
| <b>GUBK 1000</b>                                  | 315              | 400     | 850               | 100     | 130             | 180      | 1520 | 1110 | 2450 | 2070 | 1625 | 820 | 1000 | 530 | 3630 | 280 | 960 | 1850 | 900 | 1400 | 5.2       | 26.5                             | 1200                          |
| <b>GUCK 1060</b>                                  | 355              | 450     | 850               | 100     | 130             | 180      | 1520 | 1110 | 2450 | 2070 | 1625 | 820 | 1060 | 530 | 3690 | 280 | 960 | 1850 | 900 | 1400 | 4.8       | 28                               | 1300                          |
| <b>GUCK 1120</b>                                  | 355              | 450     | 850               | 100     | 130             | 180      | 1520 | 1110 | 2450 | 2070 | 1625 | 820 | 1120 | 530 | 3750 | 280 | 960 | 1850 | 900 | 1400 | 4.5       | 30                               | 1300                          |

1) Ohne Ölfüllung

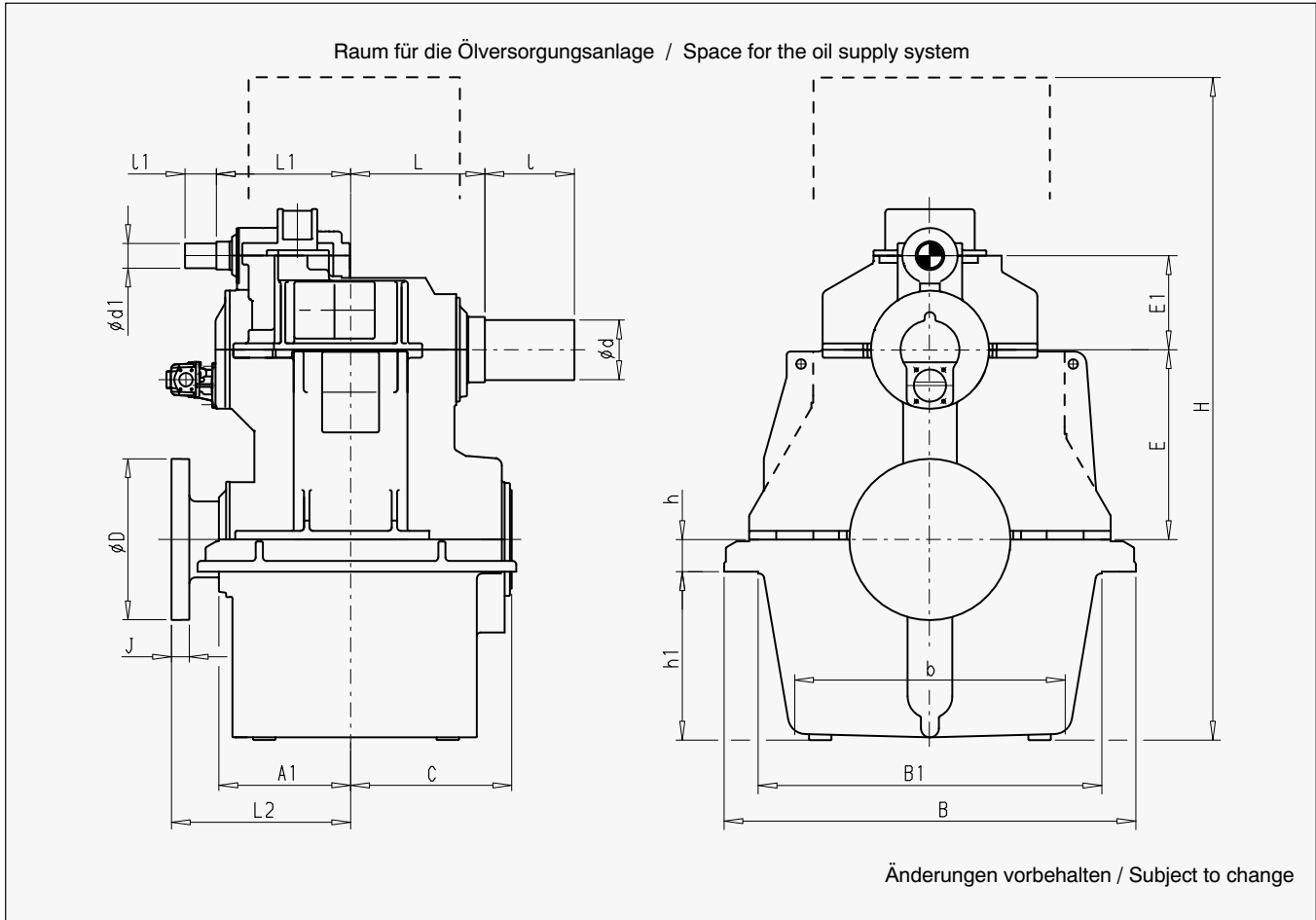
1) Without oil filling

# Schiffs-Unteretzungsgetriebe

NAVILUS NUBP  
Größen 800 - 1180

# Marine Reduction Gearboxes

NAVILUS NUBP  
Sizes 800 - 1180



| Abmessungen und Gewichte / Dimensions and weights |                  |         |                   |         |            |          |     |      |      |      |     |      |     |      |     |      |     |     |      |           |                                  |
|---|------------------|---------|-------------------|---------|------------|----------|-----|------|------|------|-----|------|-----|------|-----|------|-----|-----|------|-----------|----------------------------------|
| Größe<br>Size                                     | Antrieb<br>Input |         | Abtrieb<br>Output |         | PTO        |          | A1  | B    | B1   | b    | C   | E    | E1  | H    | h   | h1   | L   | L1  | L2   | i<br>max. | Gewicht<br>Weight<br>1)<br>ca. t |
|   | ∅ d<br>mm        | l<br>mm | ∅ D<br>mm         | J<br>mm | ∅ d1<br>mm | l1<br>mm |     |      |      |      |     |      |     |      |     |      |     |     |      |           |                                  |
| <b>NUBP 800</b>                                   | 255              | 375     | 710               | 80      | 105        | 135      | 590 | 1700 | 1400 | 1105 | 675 | 800  | 400 | 2540 | 150 | 730  | 610 | 610 | 790  | 4.2       | 10                               |
| <b>NUBP 850</b>                                   | 275              | 395     | 750               | 90      | 115        | 150      | 610 | 1815 | 1495 | 1200 | 705 | 850  | 425 | 2670 | 150 | 765  | 630 | 630 | 825  | 4.2       | 12                               |
| <b>NUBP 900</b>                                   | 295              | 415     | 800               | 90      | 115        | 150      | 640 | 1940 | 1630 | 1285 | 760 | 900  | 450 | 2800 | 160 | 800  | 650 | 650 | 870  | 4.2       | 14                               |
| <b>NUBP 950</b>                                   | 310              | 445     | 845               | 95      | 125        | 165      | 665 | 2040 | 1680 | 1390 | 790 | 950  | 475 | 2930 | 165 | 835  | 670 | 670 | 915  | 4.2       | 16                               |
| <b>NUBP 1000</b>                                  | 325              | 470     | 870               | 95      | 125        | 165      | 695 | 2170 | 1825 | 1450 | 845 | 1000 | 500 | 3060 | 170 | 880  | 710 | 710 | 955  | 4.2       | 18                               |
| <b>NUBP 1060</b>                                  | 340              | 500     | 900               | 100     | 140        | 175      | 735 | 2300 | 1920 | 1557 | 900 | 1060 | 525 | 3215 | 180 | 940  | 750 | 750 | 1000 | 4.2       | 21                               |
| <b>NUBP 1120</b>                                  | 360              | 520     | 950               | 100     | 140        | 175      | 760 | 2420 | 2035 | 1570 | 945 | 1120 | 550 | 3370 | 190 | 995  | 790 | 790 | 1035 | 4.2       | 24                               |
| <b>NUBP 1180</b>                                  | 385              | 555     | 1010              | 100     | 150        | 175      | 795 | 2535 | 2115 | 1580 | 990 | 1180 | 595 | 3530 | 205 | 1065 | 835 | 835 | 1075 | 4.2       | 28                               |

1) Ohne Ölfüllung

1) Without oil filling

# Schiffs-Unteretzungsgetriebe

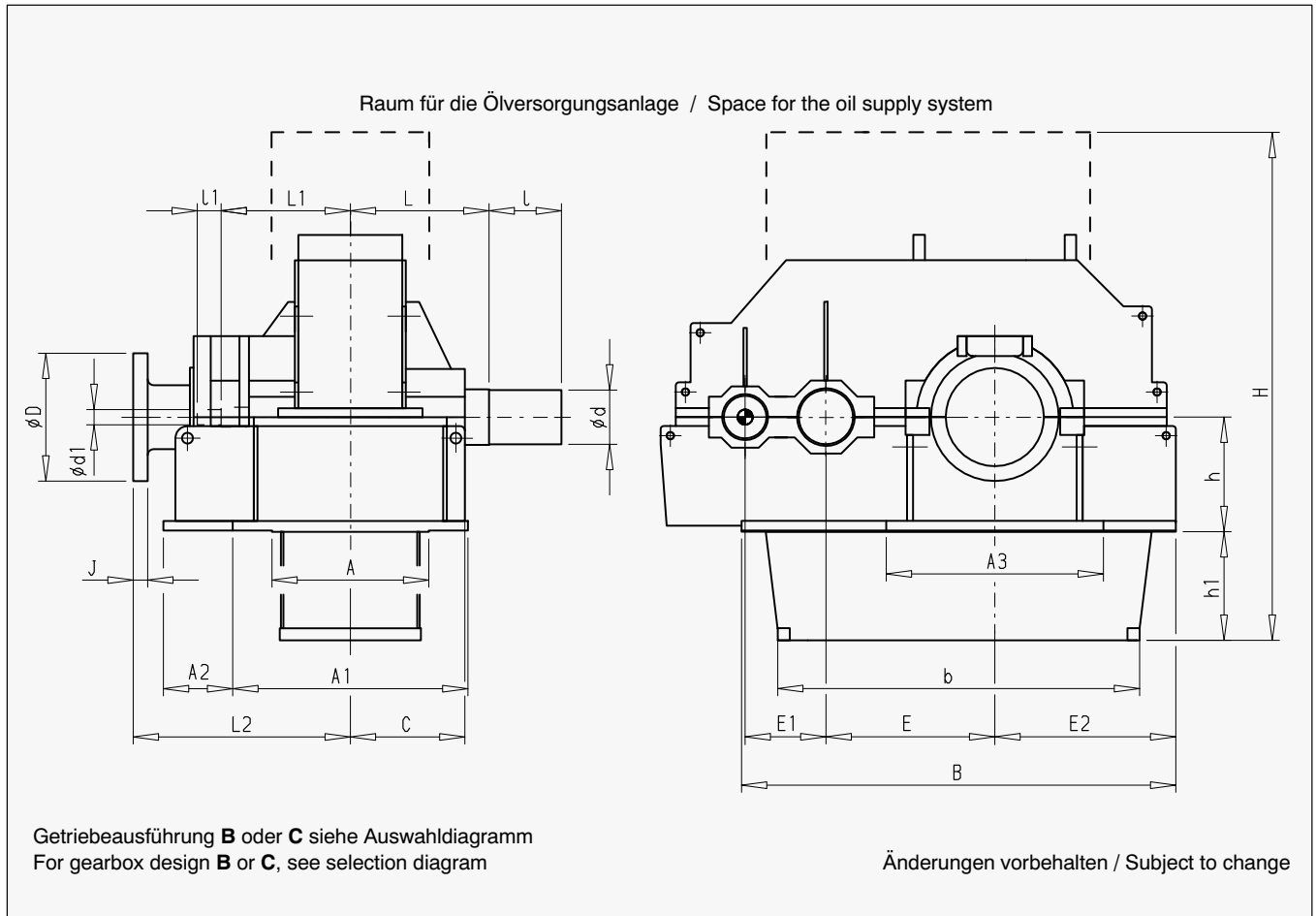
NAVILUS GHBP / GHCP

Größen 630 - 1400

# Marine Reduction Gearboxes

NAVILUS GHBP / GHCP

Sizes 630 - 1400



## Abmessungen und Gewichte / Dimensions and weights

| Größe<br>Size    | Antrieb<br>Input |         | Abtrieb<br>Output |         | PTO        |          | A    | A1   | A2  | A3   | B    | b    | C    | E    | E1  | E2   | H    | h   | h1  | L    | L1   | L2   | i<br>max. | Gewicht<br>Weight<br>1)<br>ca. t |
|------------------|------------------|---------|-------------------|---------|------------|----------|------|------|-----|------|------|------|------|------|-----|------|------|-----|-----|------|------|------|-----------|----------------------------------|
|                  | ∅ d<br>mm        | l<br>mm | ∅ D<br>mm         | J<br>mm | ∅ d1<br>mm | l1<br>mm | mm   | mm   | mm  | mm   | mm   | mm   | mm   | mm   | mm  | mm   | mm   | mm  | mm  | mm   | mm   | mm   | mm        |                                  |
| <b>GHBP 630</b>  | 190              | 250     | 530               | 65      | 90         | 135      | 760  | 1050 | 265 | 1000 | 1970 | 1600 | 480  | 630  | 335 | 800  | 2250 | 500 | 450 | 580  | 550  | 850  | 5.2       | 5.9                              |
| <b>GHCP 670</b>  | 210              | 260     | 530               | 65      | 90         | 135      | 760  | 1050 | 265 | 1000 | 1970 | 1600 | 480  | 670  | 335 | 800  | 2250 | 500 | 450 | 580  | 550  | 850  | 4.8       | 6.4                              |
| <b>GHCP 710</b>  | 210              | 260     | 530               | 65      | 90         | 135      | 760  | 1050 | 265 | 1000 | 1970 | 1600 | 480  | 710  | 335 | 800  | 2250 | 500 | 450 | 580  | 550  | 850  | 4.5       | 6.7                              |
| <b>GHBP 710</b>  | 210              | 260     | 630               | 80      | 95         | 140      | 840  | 1200 | 330 | 1100 | 2150 | 1750 | 580  | 710  | 375 | 850  | 2500 | 550 | 500 | 650  | 650  | 1000 | 5.2       | 8.8                              |
| <b>GHCP 750</b>  | 240              | 300     | 630               | 80      | 95         | 140      | 840  | 1200 | 330 | 1100 | 2150 | 1750 | 580  | 750  | 375 | 850  | 2500 | 550 | 500 | 650  | 650  | 1000 | 4.8       | 9.4                              |
| <b>GHCP 800</b>  | 240              | 300     | 630               | 80      | 95         | 140      | 840  | 1200 | 330 | 1100 | 2150 | 1750 | 580  | 800  | 375 | 850  | 2500 | 550 | 500 | 650  | 650  | 1000 | 4.5       | 9.8                              |
| <b>GHBP 800</b>  | 250              | 315     | 710               | 90      | 105        | 155      | 920  | 1350 | 375 | 1200 | 2450 | 2000 | 640  | 800  | 425 | 950  | 2800 | 620 | 580 | 750  | 750  | 1150 | 5.2       | 13.2                             |
| <b>GHCP 850</b>  | 280              | 355     | 710               | 90      | 105        | 155      | 920  | 1350 | 375 | 1200 | 2450 | 2000 | 640  | 850  | 425 | 950  | 2800 | 620 | 580 | 750  | 750  | 1150 | 4.8       | 14                               |
| <b>GHCP 900</b>  | 280              | 355     | 710               | 90      | 105        | 155      | 920  | 1350 | 375 | 1200 | 2450 | 2000 | 640  | 900  | 425 | 950  | 2800 | 620 | 580 | 750  | 750  | 1150 | 4.5       | 14.8                             |
| <b>GHBP 900</b>  | 280              | 355     | 800               | 95      | 115        | 170      | 1000 | 1500 | 410 | 1300 | 2750 | 2300 | 720  | 900  | 475 | 1100 | 3200 | 700 | 650 | 800  | 800  | 1280 | 5.2       | 17.2                             |
| <b>GHCP 950</b>  | 315              | 400     | 800               | 95      | 115        | 170      | 1000 | 1500 | 410 | 1300 | 2750 | 2300 | 720  | 950  | 475 | 1100 | 3200 | 700 | 650 | 800  | 800  | 1280 | 4.8       | 18.5                             |
| <b>GHCP 1000</b> | 315              | 400     | 800               | 95      | 115        | 170      | 1000 | 1500 | 410 | 1300 | 2750 | 2300 | 720  | 1000 | 475 | 1100 | 3200 | 700 | 650 | 800  | 800  | 1280 | 4.5       | 19.8                             |
| <b>GHBP 1000</b> | 315              | 400     | 850               | 100     | 130        | 180      | 1100 | 1650 | 525 | 1450 | 3100 | 2600 | 820  | 1000 | 530 | 1250 | 3600 | 800 | 700 | 900  | 900  | 1400 | 5.2       | 23.5                             |
| <b>GHCP 1060</b> | 355              | 450     | 850               | 100     | 130        | 180      | 1100 | 1650 | 525 | 1450 | 3100 | 2600 | 820  | 1060 | 530 | 1250 | 3600 | 800 | 700 | 900  | 900  | 1400 | 4.8       | 25                               |
| <b>GHCP 1120</b> | 355              | 450     | 850               | 100     | 130        | 180      | 1100 | 1650 | 525 | 1450 | 3100 | 2600 | 820  | 1120 | 530 | 1250 | 3600 | 800 | 700 | 900  | 900  | 1400 | 4.5       | 27                               |
| <b>GHBP 1120</b> | 355              | 450     | 950               | 100     | 140        | 180      | 1200 | 1800 | 550 | 1600 | 3400 | 2900 | 900  | 1120 | 600 | 1380 | 4000 | 900 | 800 | 1000 | 1000 | 1500 | 5.2       | 31                               |
| <b>GHCP 1180</b> | 400              | 500     | 950               | 100     | 140        | 180      | 1200 | 1800 | 550 | 1600 | 3400 | 2900 | 900  | 1180 | 600 | 1380 | 4000 | 900 | 800 | 1000 | 1000 | 1500 | 4.8       | 33                               |
| <b>GHCP 1250</b> | 400              | 500     | 950               | 100     | 140        | 180      | 1200 | 1800 | 550 | 1600 | 3400 | 2900 | 900  | 1250 | 600 | 1380 | 4000 | 900 | 800 | 1000 | 1000 | 1500 | 4.5       | 35                               |
| <b>GHBP 1250</b> | 400              | 500     | 1060              | 120     | 150        | 200      | 1300 | 1950 | 575 | 1800 | 3600 | 3000 | 1000 | 1250 | 670 | 1500 | 4210 | 950 | 900 | 1100 | 1100 | 1600 | 5.2       | 41                               |
| <b>GHCP 1320</b> | 450              | 560     | 1060              | 120     | 150        | 200      | 1300 | 1950 | 575 | 1800 | 3600 | 3000 | 1000 | 1320 | 670 | 1500 | 4210 | 950 | 900 | 1100 | 1100 | 1600 | 4.8       | 44                               |
| <b>GHCP 1400</b> | 450              | 560     | 1060              | 120     | 150        | 200      | 1300 | 1950 | 575 | 1800 | 3600 | 3000 | 1000 | 1400 | 670 | 1500 | 4210 | 950 | 900 | 1100 | 1100 | 1600 | 4.5       | 47                               |

1) Ohne Ölfüllung

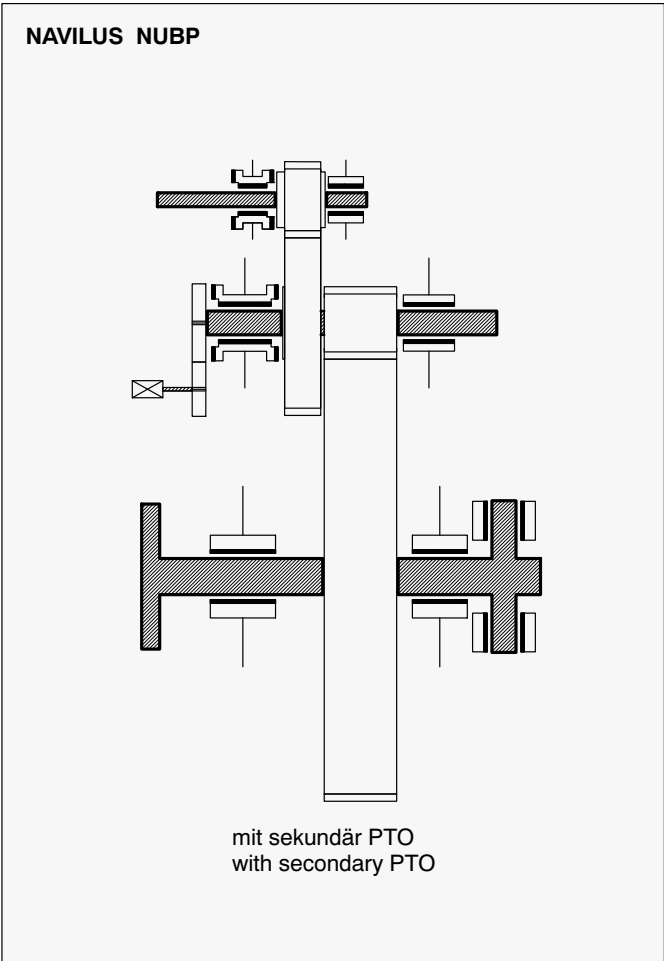
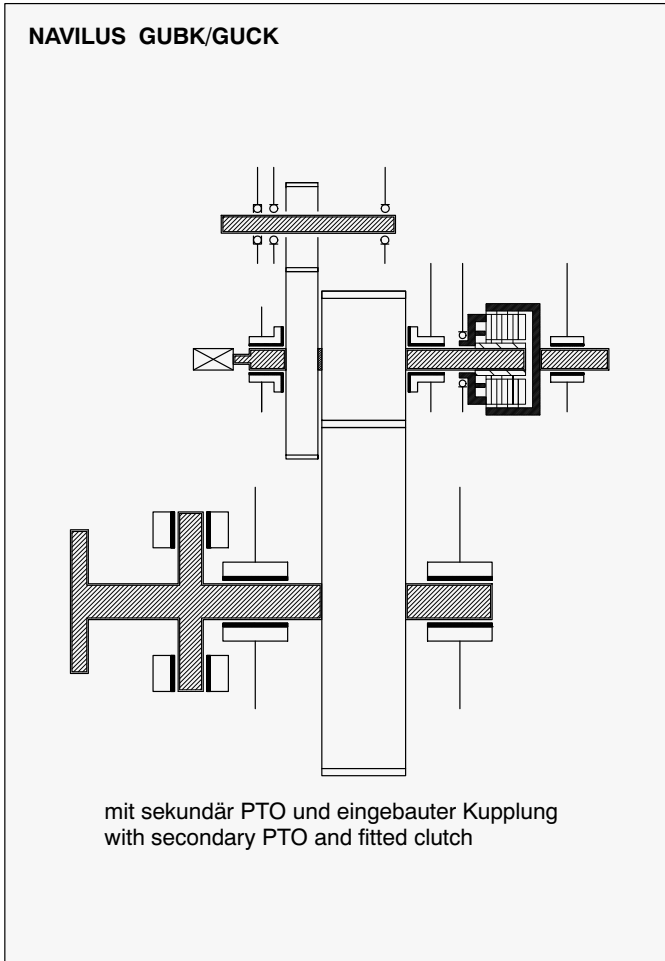
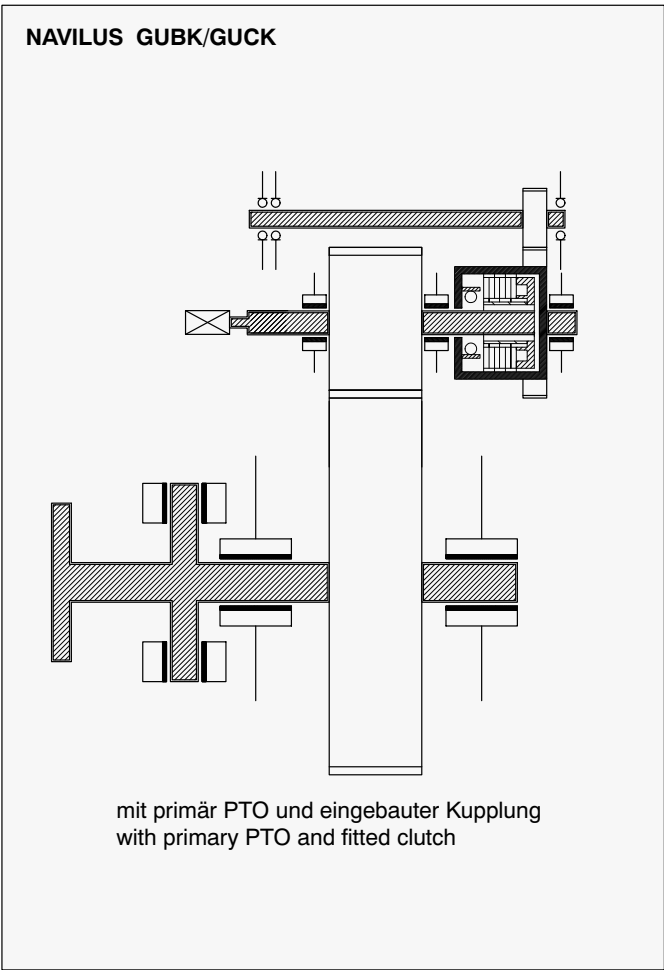
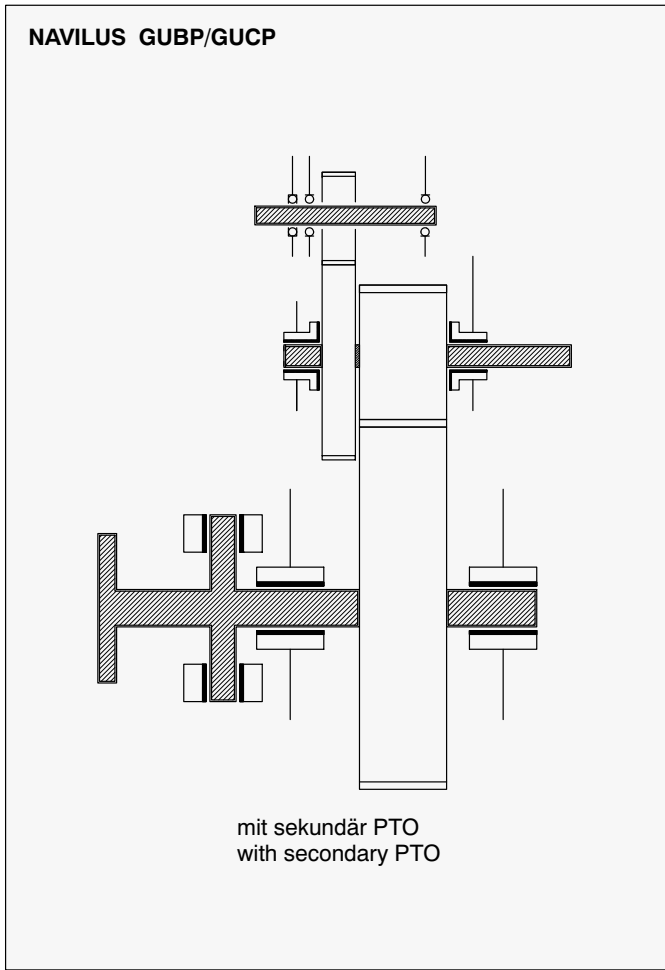
1) Without oil filling

# Schiffs-Unteretzungsgetriebe

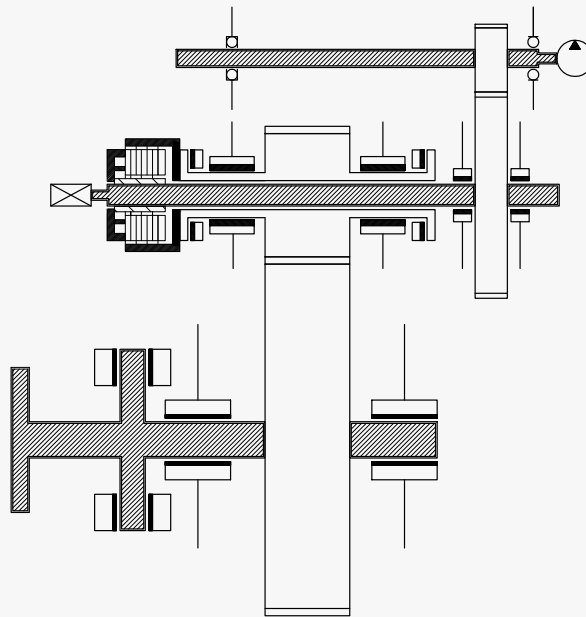
Beispiele der NAVILUS Getriebe

# Marine Reduction Gearboxes

Examples of NAVILUS Gearboxes

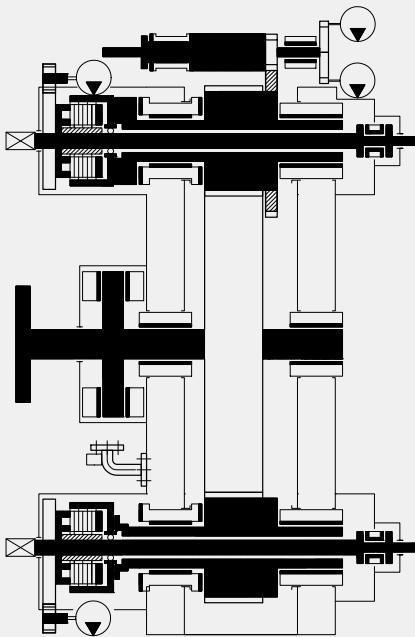


**NAVILUS GUCQ**

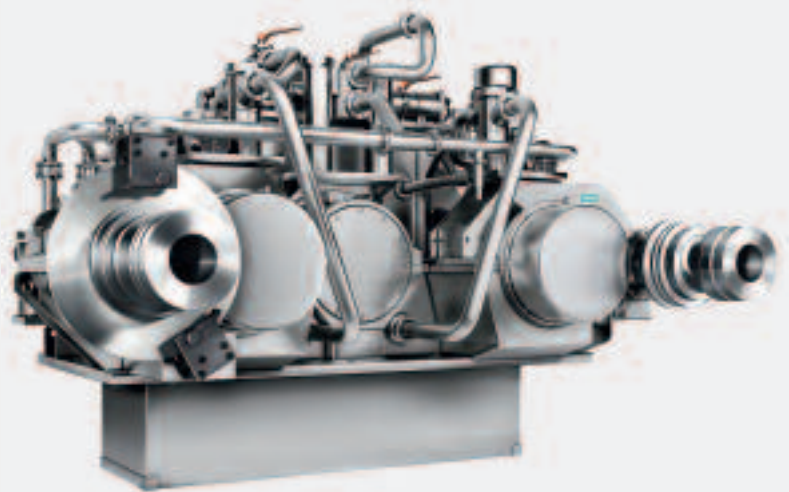


mit primär PTO, Eingangswelle in Quillshaft-Ausführung  
with primary PTO, input shaft in quill shaft design

**Doppel-/Mehrfachantrieb / Twin-/multiple-drive  
NAVILUS GVLQ**



mit primär PTO,  
Eingangswelle in Quillshaft-Ausführung  
with primary PTO,  
input shaft in quill shaft design







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