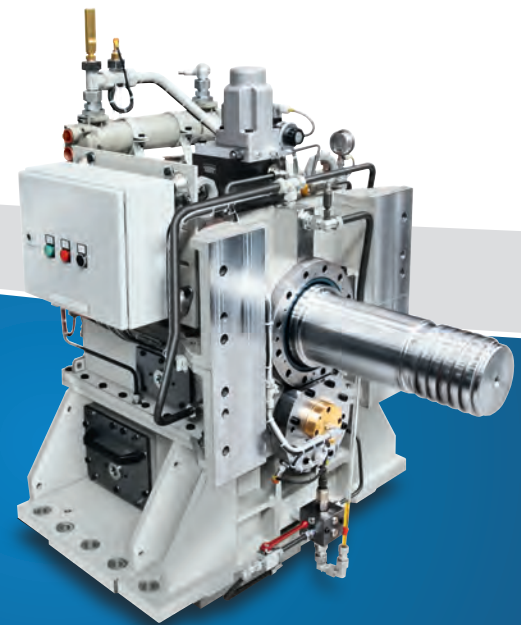


Gearboxes for **Dredgers**

RDG/RDGL 200 – 800 | 300 – 10,000 kW



Applications for Dredgers

RDG/RDGL 200 – 800

Advantages

Gearboxes of the new RDG series have been developed for dredger applications such as dredge pumps installed inside the vessel as well as dredge pumps in use under water with close coupled pump and engine.

We have the backing of over 80 years of experience in marine

gearbox design and production and use state-of-the-art computation tools and production technologies.

Owing to their design for specific areas of deployment, the reduction gearboxes with or without clutch of the RDG series offer various special advantages:

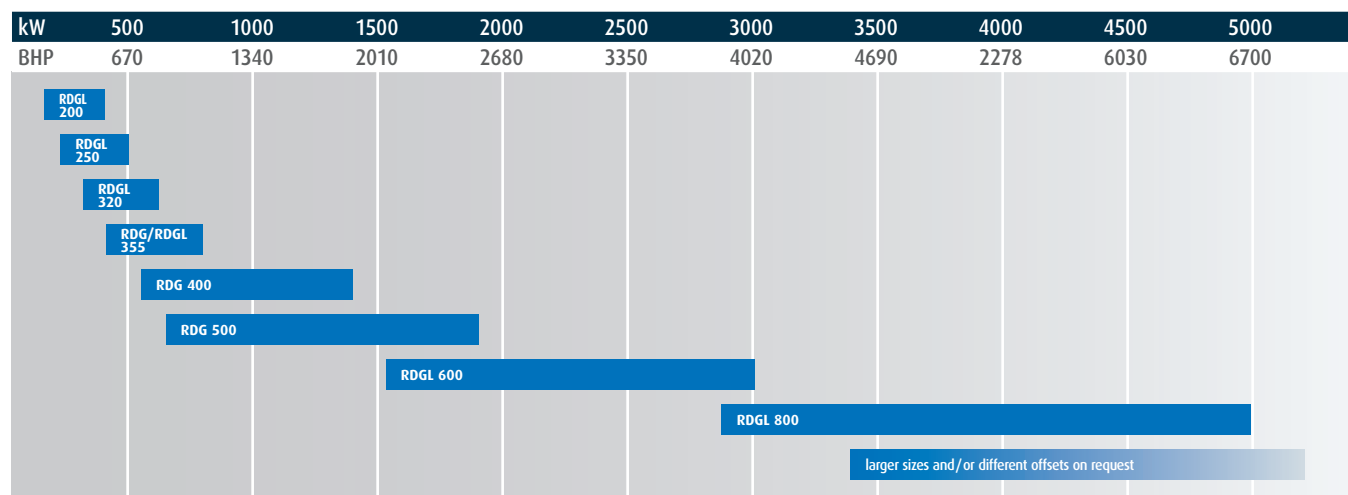
- High operating reliability
- Simple operation and maintenance
- Compact dimensions
- Standardised shafts in custom made housings
- Propulsion gearbox and dredging gearbox from one supplier

Gearbox selection

The selection diagram below gives an overview of the performance ratings of the basic RDG types.

However for the final selection of gearboxes please contact REINTJES.

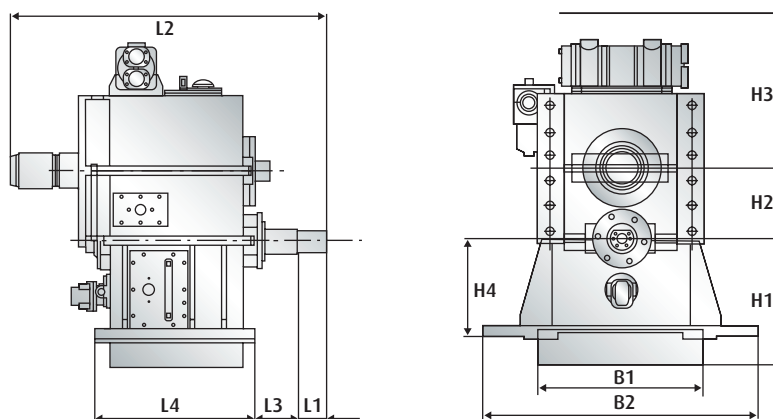
Engine Power





RDG/RDGL 200-800

Reduction gearbox
with roller bearings
and flexible coupling
Vertically offset



Gearbox	Main Dimensions (mm)										Weight kg ¹⁾
	RDG	B1	B2	H1	H2	H3	H4	L1	L2	L3	
355	700	1060	410	355	600	150	135	975	7	450	1300
400	900	1300	460	400	600	150	107	1022	-11	570	2000
500 A	1000	1500	510	500	600	160	107	1062	-51	680	2450
500 B	1000	1500	510	500	600	160	172	1202	-16	680	2700
larger sizes and/or different offsets on request											

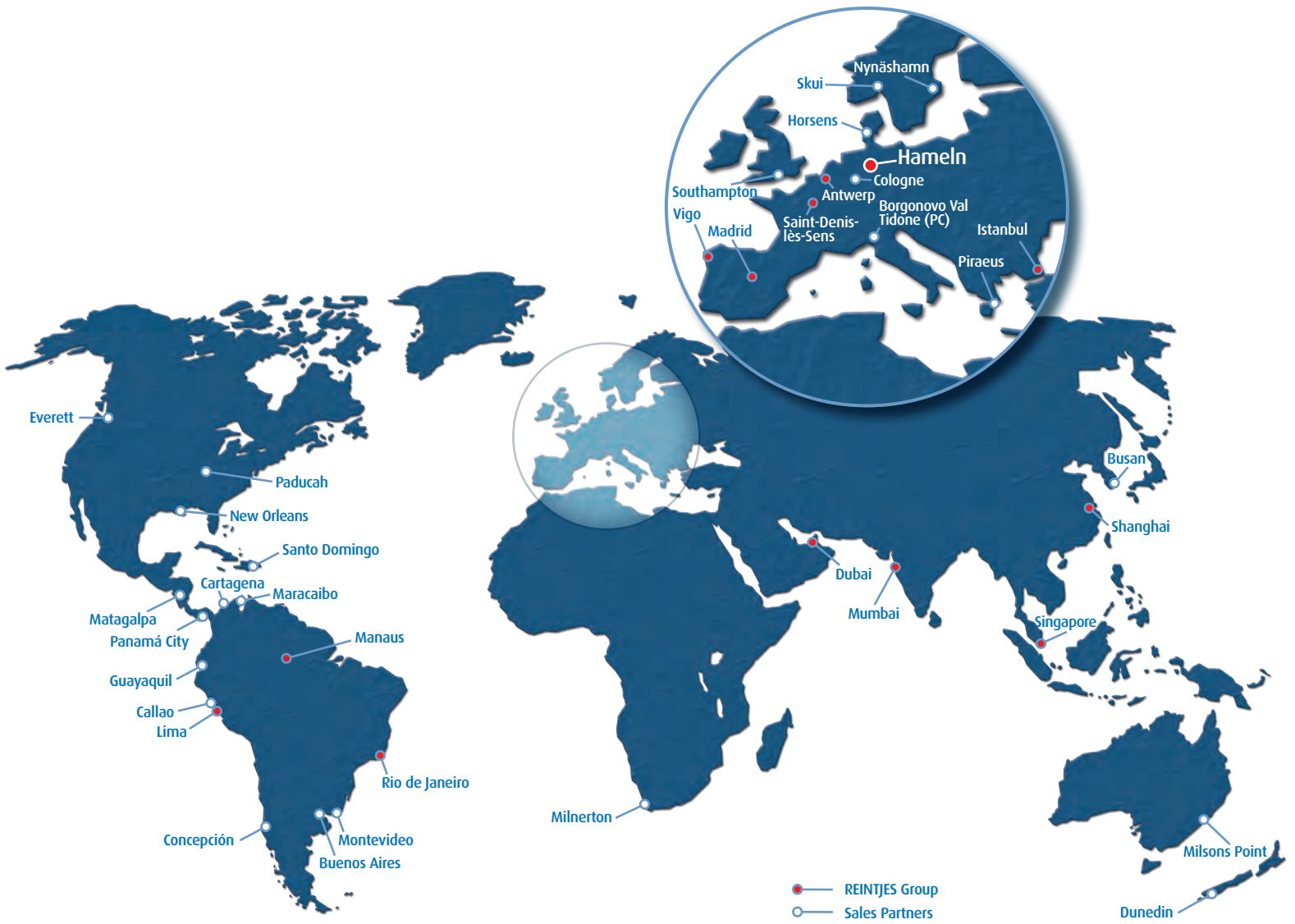
1) Gearbox standard design (dry) | Dimensions and weights not strictly binding

Gearbox	Main Dimensions (mm)										Weight kg ¹⁾
	RDGL	B1	B2	H1	H2	H3	H4	L1	L2	L3	
200	400	720	360	200	440	230	90	970	168	480	550
250	600	1000	460	250	550	350	105	1177	160	600	1000
320	800	1150	560	320	830	350	125	1435	173	720	1650
355 A	700	1060	410	355	650	150	135	1335	347	450	1800
355 B	900	1250	610	355	900	350	150	1821	38	960	2700
600	1200	1800	660	600	800	200	175	1625	401	600	4500
800	1610	2200	740	800	850	160	162	1462	300	850	7000
larger sizes and/or different offsets on request											

1) Gearbox standard design (dry) | Dimensions and weights not strictly binding

Options

- Output shaft with trapezoidal thread
- Slide bearings
- Flexible coupling
- Mechanical overload protection
- Electronic overload protection for gearboxes with built-in clutch
- Turn drive
- Bell housing for close coupled pump and/or engine
- Gearboxes can be horizontally offset



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