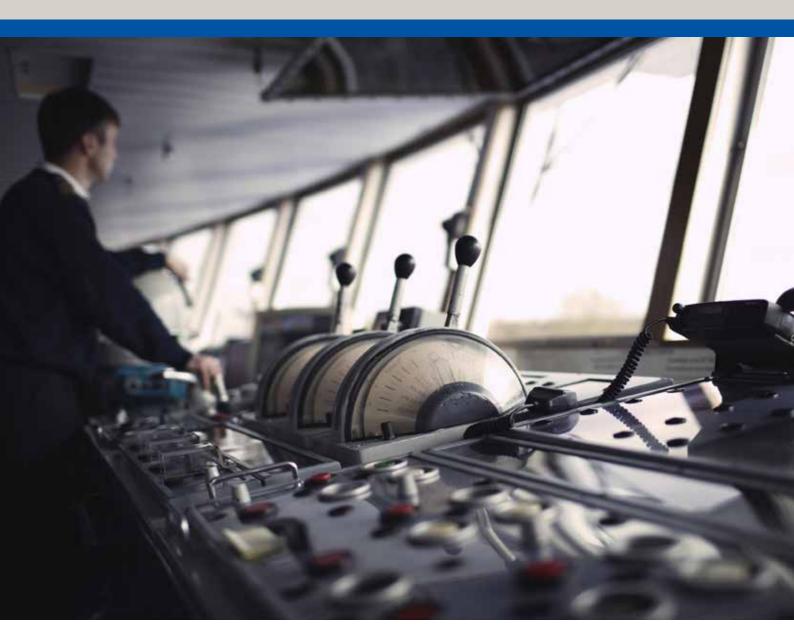
Sperry Marine

Hydraulic Steering Gear



Proven design for maximum performance and reliability

Hydraulic Steering Gear

A dependable and versatile range of hydraulic steering systems. Providing hydraulic steering gear for many different requirements.

With a long history of expertise in navigational systems, Sperry Marine has an unrivalled reputation for providing equipment and systems to suit the specific needs of mariners.

We provide a wide range of steering gears to suit many different requirements, from working tugs to super-yachts with multiple rudders.

Our steering systems offer many benefits, including:

- Cost-effectiveness and convenience
- Wide range of products
- Tailored to your needs
- Fully type-approved
- Total support

Cost-effective and Convenient

It couldn't be easier to acquire your new Sperry Marine steering system. We provide a single point of contact to ensure delivery, installation and commissioning of your complete package, according to your specification.

Our innovative use of standard components enables us to achieve low cost configurations.

Wide Range of Products

We can provide steering systems for all types of vessels and yachts, from 15 meters up to 100 meters, 5000 GT, and

for all hydraulic steering configurations — single rudder, multiple independent synchronised rudders or mechanical linked rudders.

The range includes simple hand hydraulic steering systems as well as complex electric-hydraulic power steering systems, and includes motor starter systems, alarm systems, steering control systems, autopilot interfacing and rudder indicators.

System features include:

- cylinders with spherical bearings
- split or non-split helms
- rudder angles to 60 degrees
- low-noise vane pumps

A variety of optional features include:

- proportional valves
- dual- or multi-flow fast steering response
- adjustable pumps
- servo hand pumps
- all control systems
- control panels

Tailored to Your Needs

Sperry Marine steering gears use standard sets of cylinders that can be employed in most applications. This modular design allows us to easily design and configure systems to meet specific requirements and regulations, while obtaining the best costperformance ratio, with the minimum maintenance. We can provide almost any required configuration:

- Mechanical rudder interface
- Manual hydraulic steering
- Single electric-hydraulic steering system
- Dual electric-hydraulic steering system.

Modes of operation include full followup and non follow-up, in either single or dual configurations.

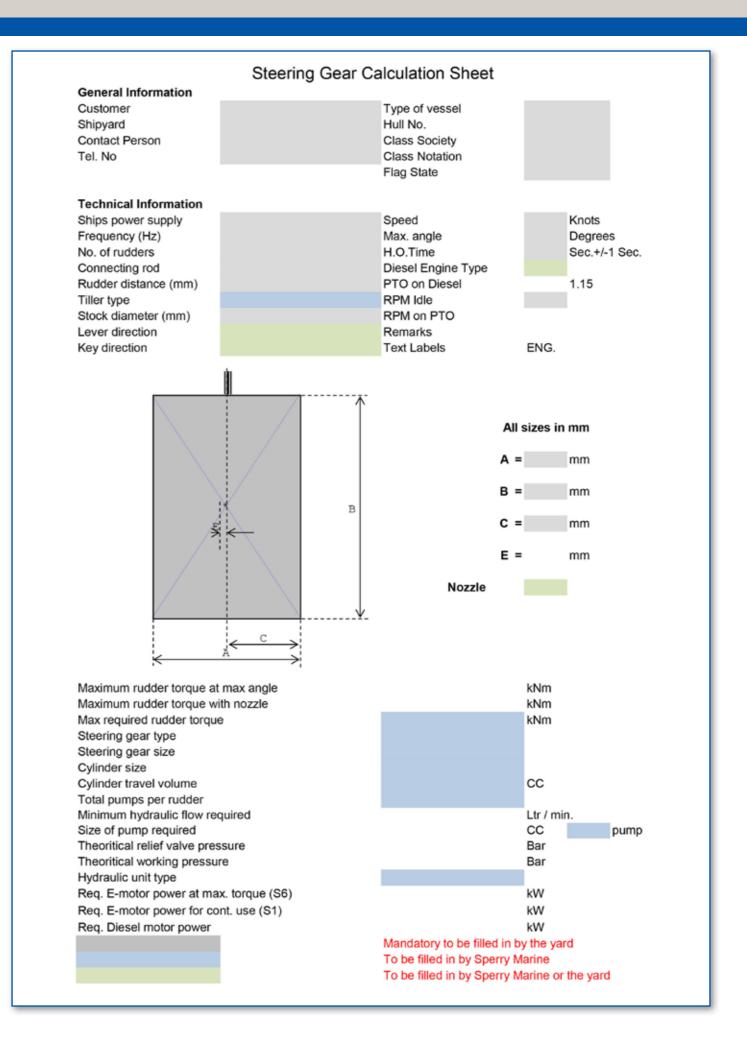
Besides being cost-effective, this modular approach also means that we can install your steering system quickly and efficiently.

If your requirements cannot be met through our modular process, we can always design solutions to meet your specific requirements.

Fully type-approved

All Sperry Marine steering system components are designed and manufactured to meet all major classification standards, including: LROS, ABS, BV, GL, USCG, DNV,RINA, SOLAS, IMO and SI.

We always ensure that our steering systems are installed by experienced engineers, who will undertake all commissioning and sea trials.



Sperry Marine

Total Support: 24/7/365

As with all Sperry Marine systems and products, our steering systems are supported by one of the world's most extensive worldwide service networks, with help available around the clock, 24 hours a day, 365 days a year. Our global service network provides prompt shipboard maintenance and repair services in every major seaport in the world.

We also offer comprehensive maintenance contracts, as well as support for all products for at least ten years after any is discontinued, so providing continuing peace of mind to all our customers.



For more information, please contact:

AMERICAS

New Orleans, LA USA Tel: +1 504-328-9171

ASIA

China, Shanghai Tel: +86-21-5179-0199

Hong Kong, Sheung Wan Tel:+852-2581-9122

Japan, Tokyo

Tel: +81 (03)-3863-7401

Singapore

Tel: +65-6274-3332

South Korea, Busan

Tel: +82-51-247-7455

CANADA

Nova Scotia, Halifax

Tel: +1 902-468-9479

British Columbia, Vancouver

Tel: +1 604-821-2090

EUROPE

Belgium, Antwerp

Tel:+32-3-233-14-33

Denmark, Copenhagen

Tel: +45-77-33-66-33

Germany, Hamburg

Tel: +49-40-299-00-0

The Netherlands, Vlaardingen

Tel: +31 (0)-10-4451600

Norway, Bergen

Tel: +47-55-94-94-94

United Kingdom, London Tel: +44 (0)-20 8329-2000

www.sperrymarine.com

Sperry Marine provides a range of sophisticated navigation solutions for mariners around the world: autopilot and steering control systems, compass systems, integrated bridge and platform management systems, navigation radar and ECDIS, speed/velocity logs. Working with mariners around the globe for over 100 years.

