



straub®
the original

references

For safety and accountability:

In effective use worldwide for 40 years

STRAUB pipe couplings comply with current IACS regulations.

Cost-efficiency in the tightest of spaces.

Any number of uses, and highly cost-efficient at the same time: that is why shipbuilders and drilling platforms use STRAUB pipe couplings. Shipbuilders in particular repeatedly face the challenge of laying a great many pipes

through narrow, hard-to-reach spaces, while cutting back on costs. Circumstances like that demand the most of a pipe coupling system. There are many benefits to using STRAUB pipe couplings in such a situation.

cost-efficient reliable damping

Our references:

Germany

- Lürssen Shipyards:
 - Fr. Lürssen Shipyard, Lemwerder
 - Kröger Shipyard, Schacht-Audorf
 - Lürssen Shipyard, Berne-Bardenfleth
 - Neue Jade Shipyard, Wilhelmshaven
- Thyssen Marine Systems:
 - Blohm & Voss International GmbH, Hamburg
 - ThyssenKrupp Nordseewerke GmbH, Emden
 - HDW NOBISKRUG GmbH, Rendsburg
 - HDW Howaldtswerke-Deutsche Werft AG, Kiel
- Detlef Hegeman Group:
 - Peene-Werft GmbH, Wolgast
 - Rolandwerft GmbH & Co. KG, Berne

Spain

- Navantia Shipyards, Madrid

Denmark

- Orskov Yard A/S, Frederikshavn
- Fredericia Shipyard Limited, Fredericia
- Danish Yacht A/S, Skagen

Australia

- Tenix Defence Systems, Williamstown

China

- Hu Dong Shipyard, Shanghai

USA

- Nassco National, Steel and Shipbuilding Company, San Diego

Italy

- FINCANTIERI Divisione Navi Militari, Genoa
- FINCANTIERI Divisione Navi Mercantili, Trieste
- T. MARIOTTI SpA, Genoa
- Cantieri Navali RODRIGUEZ, Messina and Pietra Ligure
- Cantieri RIZZARDI, Sabaudia (Latina)
- ISA, International Shipyards Ancona, Ancona
- AZIMUT Yachts, Viareggio (Lucca)

Russia

- OAO «Baltiyskiy Zavod», St. Petersburg
- OAO «Severnaya Verf», St. Petersburg
- OAO «Morskoy Zavod ALMAZ», St. Petersburg
- OAO «Zelenodolsk Plant named after GORKY», Republic of Tatarstan
- ZAO «Rybinski Zavod Volgotanker», Rybinsk
- OAO «Krasnoe Sormovo», Nizhni Novgorod

UK

- BAe Shipbuilders
- VT Shipbuilders
- Swan Hunter Shipbuilders

France

- DCN
- PIRIOU
- Guy Couach – Plascoa
- CMN Shipyard
- SOCARENAM

Our partner network – your benefit.

Users in more than 50 countries put their confidence in the universal STRAUB pipe coupling concept.

STRAUB pipe couplings are delivered fast, thanks to an international partner network and numerous presences all over the world.

lightweight

straub®
the original

Simple, fast, reliable

With STRAUB pipe couplings, pipe fitting is simple, fast, reliable – and **free from fire or explosion hazards**. With their high safety reserves and progressive action, these couplings can also handle extreme situations. In shock tests, STRAUB couplings have been shown to retain their seal even in a deformed state – after a collision with another ship, for example, or an underwater explosion.

Space-saving and accessible

The compact design of STRAUB pipe couplings really proves itself in the narrow pipe ducts found on ships. Low installation height and a freely positionable closure afford space and volume savings of up to 50% compared with other jointing methods.

Big weight savings

STRAUB pipe couplings allow huge weight savings: assuming an average of 3000 couplings per ship, with diameters ranging from 48.3 to 219.9 mm:

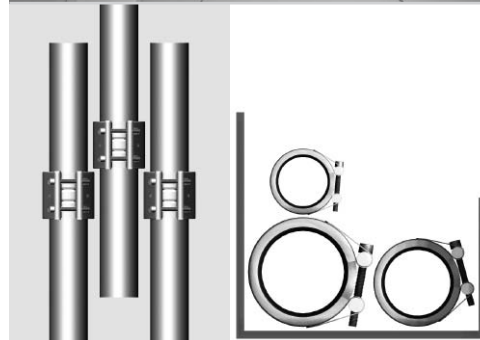
- **Weight savings compared to flange couplings: 24 tons**
- **Weight savings compared to other coupling types: 2.1 tons**

Noise and vibration damping

STRAUB pipe couplings damp noise and vibration from vibrating items of plant like engines, gearboxes, pumps, turbines and compressors. Such excellent damping properties are especially important in submarines – but they also contribute **a great deal to smoother voyages aboard passenger ships**.



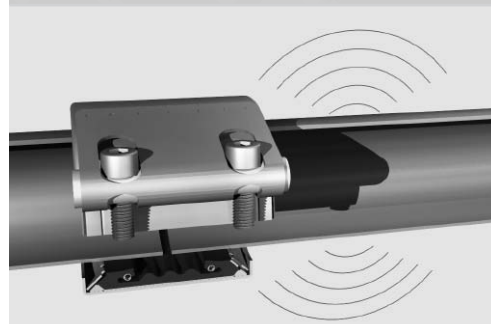
Good accessibility



Huge space savings and easy access



*PN 16:
The STRAUB
solution: 2.1 kg
Bolted flanges:
8.6 kg*



*Up to 5x higher
structure-borne
noise damping than
with flange joints*



For use anywhere

■ STRAUB pipe couplings are approved for virtually all pipe systems, because – regardless of diameter and what they are made of – they are suitable for use with all the materials used in shipbuilding and on drilling platforms.

Joints having high elasticity, rather than a rigid grip, largely eliminate the stresses and tensions from piping systems assembled with STRAUB couplings. And that considerably prolongs their service life.

Further key benefits include:

- Compensating axial shifts and length changes, angular discrepancies, manufacturing and fitting tolerances
- Removable and reusable
- Very short down times thanks to straightforward, fast fitting and dismantling
- Easy repair and refurbishment thanks to universal deployability (STRAUB repair concept)



ABS



GL



RINA



Lloyd's Register



U.S. Coast Guard



Bureau Veritas



Det Norske
Veritas



Nippon Kaiji
Kyoka



China
Classification
Society

Our solutions – Your added value.

Fulfilling the highest demands – that is the benchmark for our daily labours. We do all we can to give you just the right pipe coupling solutions. Demanding, out-of-the-ordinary jobs are where our long-standing experience and competence truly come to the fore: providing support and advice, answering technical questions, accompanying projects, as well as engineering and documentation matters.

Being a small, agile company means we can also respond very flexibly to customer wishes.

You can rely on it: our solutions are your added value.



Straub Werke AG

Rohrverbindungen
 Straubstrasse 13,
 7323 Wangs, Schweiz
 Tel. +41 81 725 41 00
 Fax +41 81 725 41 01
www.straub.ch, straub@straub.ch

Tel. Germany: +49 621 486 2907

an **OAliaxis** company