

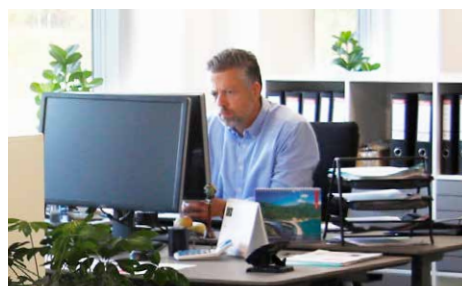
Sealing Solutions

for every application



Company profile

CARSTEN HOLM A/S
SEALING SOLUTIONS
PART OF **HOLM-GROUP**



CARSTEN HOLM A/S

WE ARE SPECIALISTS IN STANDARD AND SPECIAL SEALS

Carsten Holm A/S trades, markets and produces standard and special seals. We stock more than 135,000 item numbers, making us one of the largest stockists in our industry. Our seals and gaskets are used in hydraulic, pneumatic, static and rotary applications – in the toughest environments.

Our specialist staff consistently ensure that every one of our customers receives the right sealing solution to meet their purpose. Are you looking for a specific seal to repair machinery? Need a partner to make prototypes for your development projects? Or are you an OEM seeking to order thousands of seals? All of our customers know that we deliver the agreed product at the agreed quality and at the agreed time.

” When I call my contacts at Carsten Holm A/S, it’s like calling a library! They are so clever, and they have years and years of experience. I can rest assured that the products I order are right. And, if I embark on something new, I am sure to get all the technical advice I need. ”

Ejner Mozart Hansen, ENH Engineering A/S

Carsten Holm A/S is a family-owned business. We have almost 50 years’ experience in our industry and pride ourselves on being experts in our field. CEO Ulrik Holm, our founder’s son, leads a strong team. Our work environment is renowned for close cooperation and mutual respect. The organisation is flat, and the company excels in delivering high quality products and excellent service.

Carsten Holm A/S is a company in Holm-Group. In addition to our headquarters in Denmark, Holm-Group operates sales companies in Sweden and China.

Just in time delivery

24-HOUR DELIVERY IN DENMARK

Our customers often need to have their seals and gaskets delivered fast.

Therefore we stock a very large range of finished products and raw materials. We operate a rapid delivery service in Denmark, which ensures that we can normally meet our Danish customers' needs within 24 hours. Delivery times to our international customers are also very fast. We dispatch more than 98 % of all orders on the same day.

In China, Holm Sealing Solutions, our sales company at Suzhou, provides efficient delivery services to customers across the Far East. To ensure short delivery times and reliable delivery, our Chinese warehouse stocks a selection of the most widely used products.

In Sweden, Carsten Holm AB ensures that our Swedish customers receive the same high standards of service and quality as customers in Denmark.

Framework Agreement

ATTRACTIVE PACKAGE OF BENEFITS

At Carsten Holm A/S, we seek to reward regular customers for their loyalty to us. We offer regular customers a framework agreement that gives them:

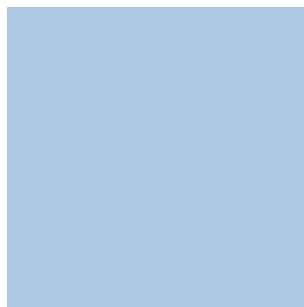
- ✓ Good discounts
- ✓ Reliable delivery
- ✓ Qualified and experienced consultancy
- ✓ Minimal warehouse stock and tied liquidity
- ✓ Great flexibility



We offer a framework agreement to any customer who needs a regular supply of one or more seal types and who also demands reliable delivery.

A framework agreement is the ideal opportunity for a customer to save on their sealing budget – without having to compromise on delivery times or product quality.

When you enter a framework agreement, your company is obliged to call off a specific quantity of seals and gaskets within a specific period, usually 1-4 years. In return, we guarantee that we will always carry a minimum stock of the goods listed in the framework agreement so that you can avoid production halts.



Comprehensive standard product range

– MORE THAN 135,000 ITEM NUMBERS

Carsten Holm A/S stocks a comprehensive standard product range. We offer a myriad of products and ensure that we can supply precisely the right sealing solution to meet your specific needs.

We supply all types of gaskets and seals in every conceivable quality and quantity – for hydraulic, pneumatic, static and rotary applications.

Our product range includes the following product groups:

- ✓ O-rings
- ✓ O-ring cord
- ✓ O-rings boxed sets
- ✓ Service kits
- ✓ X-rings
- ✓ Backup rings
- ✓ Rotary shaft seals/gland seals
- ✓ Wipers
- ✓ V-rings
- ✓ Sealing end covers
- ✓ Bonded seals
- ✓ Axial gamma seals
- ✓ PTFE piston & rod seals
- ✓ Washers/shrink sleeves
- ✓ GE-V set/stacked seals
- ✓ Double-acting compact seals
- ✓ U-cup seal
- ✓ T-DUO piston seals
- ✓ Guide strips
- ✓ Copper rings
- ✓ CSB Composite spherical bearings
- ✓ Axle repair seals
- ✓ Circlips
- ✓ Fibre washers
- ✓ Shims
- ✓ Braided fibre packing cord
- ✓ Mechanical seals
- ✓ Flange gaskets
- ✓ Extruded rubber profiles

Special seals and Gaskets

MADE-TO-MEASURE

It is true to say that engineering the optimal sealing solution often requires specialist expertise. We have decades of experience and industry-specific knowledge at our fingertips and our technical department is at hand to help with advice and development services at all times.

If you have specific requirements for the design, sealing capacity or material approvals that our standard seals range does not cover, we can often deliver a sealing solution that is tailor-made to meet your specific needs. Our technicians can help you all the way from development and dimensioning to production, quality control and delivery.

” Carsten Holm A/S is our preferred supplier of seals and gaskets. Their customer services are excellent, and their stocks are huge. Whenever we need a tailor-made solution, for example, in connection with a development project, they make really good prototypes, so we can move along without delay. ”

John Christensen, Primodan

FAST AND FLEXIBLE PRODUCTION

We offer in-house production services and can therefore rapidly produce small and large batches of complex, special seals, and prototypes.

We offer:

- A full range of raw materials
- From just a small batch to serial production
- Diameters up to Ø1,850 mm
- Comprehensive QA and documentation system
- Expertise and experience
- Excellent service
- Rapid and reliable delivery.



Materials

FOR SEALS AND GASKETS



At Carsten Holm A/S, we stock a comprehensive range of materials and compounds to ensure that, even at very short notice, we can produce seals for use even in the most demanding environments.

Our warehouse stocks everything – standard and special materials – in a wide range of sizes. All our raw materials and compounds are carefully selected with focus on high quality, properties and durability. Among others, we stock raw materials that meet the pharmaceutical industry EC2023/2006 and USP class VI standard and others that comply with European EC 1935/2004 and EC 10/2011 food contact regulations.

Our range of elastomers and plastics includes:

Materials	Types
Materials – elastomers and plastics	
POLYURETHANE	H -PUR*, PUR-MOS2, PUR LT, PUR-D57, PUR D70
NITRILE RUBBER	NBR*, H-NBR, NBR LT
FLUOROELASTOMER	VITON®**, FKM*, AFLAS®***, FFKM
ETHYLENE-PROPYLENE	EPDM*
SILICONE	VMQ/Si*
POLYACETAL	POM-C*
PEEK POLYMER	PEEK*, PEEK-CARBON
POLYETHYLENE	PEHD 1000*
PLASTIC	PA, PI, PAI, PEI, PVDF*
TEFLON	PTFE VIRGIN*, PTFE BRONZE, CARBON/GRAPHITE, PTFE LCP*, PTFE GLASS, PTFE GRAPHITE, PTFE CARBON FIBER, PTFE CARBON

* Also available in a version that is approved for food contact

** FKM is a registered trademark of DuPont Performance Elastomers

*** AFLAS® is a registered trademark of Asahi Glass Co. Ltd.



Material approvals

FOR DEMANDING APPLICATIONS

Carsten Holm A/S is registered with and audited by the Danish Veterinary and Food Administration. We are permitted to produce and sell materials approved for food contact (FCM).

You can rest assured that our food contact materials are approved to meet the international standards and regulations listed below:

Approvals	Countries	FCM	Pharma	Drinking water	Gas	Sanitary	EL
Approvals for the pharmaceutical and food industries							
REGULATION EC1935/2004 EUROPEAN ALIMENTARY (ELASTOMER)	EU	x	x	x			
REGULATION EC2023/2006 EUROPEAN ALIMENTARY (GMP)	EU	x	x	x			
REGULATION 10/2011 EUROPEAN ALIMENTARY (PLASTIC)	EU	x	x	x			
FDA - FOOD AND DRUG ADMINISTRATION. FDA 21. CFR 177.2600 (ELASTOMER) FDA 21. CFR 177.2400 (PERFLUOROELASTOMERS) FDA 21. CFR. 177.1500 (PLASTICS)*	US	x	x	x		x	
USP CLASS VI - UNITED STATES PHARMACOPEIA	US		x				
3-A - SANITARY STANDARD INC.	US	x				x	
NSF 51. - NATIONAL SANITATION FOUNDATION	US	x				x	
NSF 61. - NATIONAL SANITATION FOUNDATION	US			x		x	
UL - UNDERWRITERS LABORATORIES	US						x
BFR - BUNDESANSTALT FÜR RISIKOBEWERTUNG	DE	x					
UBA-ELL - ELASTOMERLEITLINIE	DE			x			
DVGW - W270 E - DEUTSCHE VEREINIGUNG DES GAS- UND WASSERFACHES	DE			x			
DVGW - EN 681-1 - DEUTSCHE VEREINIGUNG DES GAS- UND WASSERFACHES	DE				x		
DVGW - W534 - DEUTSCHE VEREINIGUNG DES GAS- UND WASSERFACHES	DE			x			
DVGW GAS EN549 OG EN682 - DEUTSCHE VEREINIGUNG DES GAS- UND WASSERFACHES.	DE				x		
BAM - BUNDEANSTALT FÜR MATERIAL - FORSCHUNG UND PRÜFUNG. (GAS/OXYGEN)	DE				x		
WRC / WRAS - THE WATER REGULATIONS ADVISORY SCHEME	UK			x			
ACS - ACCREDITATION DE CONFORMITÉ SANITAIRE	F			x			
KIWA - HOLLAND - (HOT DRINKINGWATER)	NL			x			
TGM - ÖNORM B5014 - FEDERAL INSTITUTE OF TECHNOLOGY	A			x			

*To learn more about FDA standards, see: www.fda.gov

NB: EA component may be made of a rubber material that is certified as suitable as a food contact product. This does not necessarily mean that the component is *technically* suitable for every food-related application.



Our track record

Global references

Over the years, Carsten Holm A/S has traded and manufactured standard and customised seals for demanding industrial applications across the globe. We have a wealth of industry-specific expertise, and we make sure that we remain absolutely up to date with the latest technical know-how so that we can meet your every wish and need.

We have reliable expertise and long experience of working with sealing applications in a wide range of industries, including:

- Metals
- Energy
- Transport & shipping
- Food & beverages
- Chemicals
- Pharmaceuticals
- Agriculture & forestry
- Mining

Carsten Holm A/S accepts no liability for typographical errors and reserves the right to make changes to technical specifications.



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