

## DELIVERY FROM STOCK

Apart from being worldwide distribution centre, our competence centre in the Netherlands is the primary site for R&D, engineering and customer-specific solutions. Here important bridges are build between the needs of European OEMs and MRO partners,

and our high-quality production in China. The solution range was created based on the demand and requirements of our customers for corrosion resistant, low maintenance and high-performance transmission roller chains.



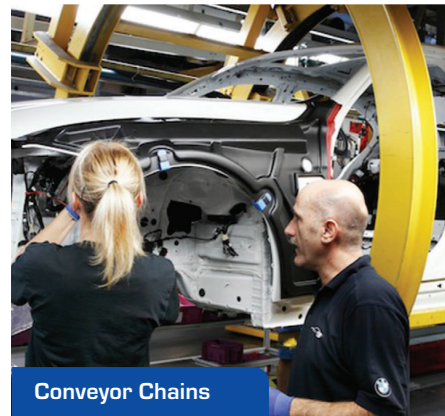
Industrial Chains



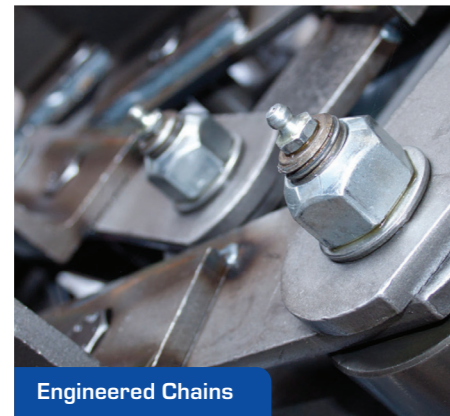
Agricultural Chains



Lifting Chains



Conveyor Chains



Engineered Chains

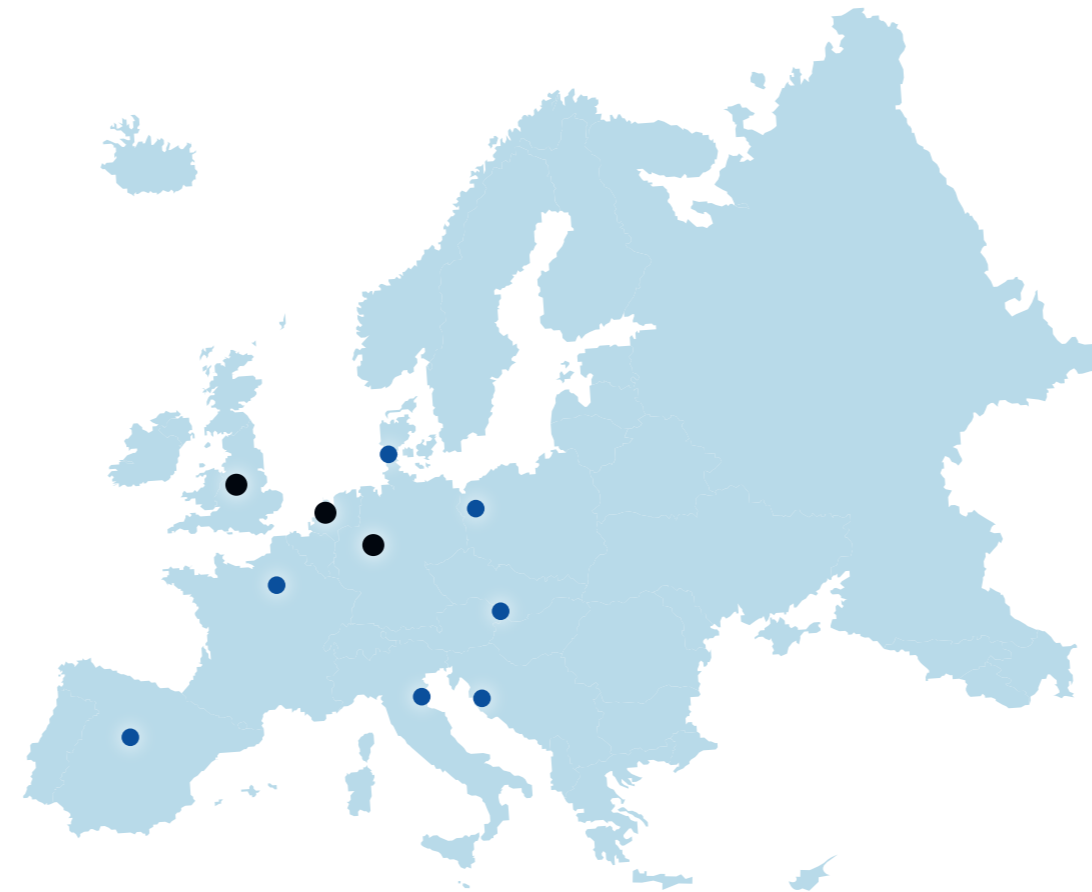


Sprockets

### INITIAL ASSEMBLY AND SELECTED MRO-PARTNERS BENEFIT FROM OUR KNOWLEDGE OF CHAIN SOLUTIONS

Our focus on chain solutions within mechanical drive systems has made Donghua the preferred partner for leading original equipment manufacturers in markets like agriculture, industrial drive technology and lifting and hoisting technology. OEM initial assembly and our selected MRO partners benefit from our knowledge of chain solutions because we make an initial contribution to the overall efficiency of the drive and/or conveyor right

from the design phase. We are then able to supply the serial production of the complete chain solution, from assembly just in time. The success of our customer-oriented strategy and product focus is supported by the fact that we have a worldwide network of branches, MRO partners and production facilities at our disposal, which also guarantees constant quality and high delivery reliability in the replacement market.



#### Donghua International BV

Parelweg 1  
1812 RS Alkmaar, The Netherlands  
Phone: +31(0)72 8200 120  
info@donghua.eu  
www.donghua.eu

#### Donghua Industries Europe GmbH

Fixheider Straße 14  
51381 Leverkusen, Germany  
Phone: +49 2171 39448-0  
info@donghua-europe.com  
www.donghua-europe.com

#### Donghua Ibérica

Avenida de la Técnica, 13-14  
28522 Rivas, Madrid  
info@donghua.eu  
www.donghua.eu

#### Donghua Poland representation office

St. Jana Karola Chodkiewicza 43  
82-200 Malbork, Poland  
info@donghua.eu  
www.donghua.eu

#### Donghua Hungary representation office

Millenium Office Towers, Office Building H, 7th floor  
Lechner Ödön fasor 10, H-1095 Budapest, Hungary  
Phone: +36 30 184 7822  
order@donghua.hu  
www.donghua.hu

#### Donghua Limited

Sidings Close, Off Wednesfield Way  
Wolverhampton, West Midlands WV11 3DR, Great Britain  
Phone: +44 1902 866200  
sales@donghua.co.uk  
www.donghua.co.uk



# DONGHUA SOLUTION RANGE





**DONGHUA** is one of the largest manufacturers of chains and chain systems in the world. Over 3,000 employees in Hangzhou fabricate more than 150,000 tonnes of chains and chain systems per year. To guarantee a perfect quality, all chains are given a unique traceable production code. In addition, all chains are certified under ISO9001-2000 and API. By choosing Donghua, you are opting for availability, expertise in design and market-oriented product development.



## COMPETENCE CENTER

Our competence center translates the future needs of buyers from key target markets into innovative products. Donghua chains are produced in China and customization is done in Europe. It's the combination of European/Chinese innovation and production strength of our parent company that makes these developments possible. The Donghua solution range consists of a series of chains that perfectly meets the market requirements in terms of quality, corrosion resistance, precision and wear resistance.

### OUR WORKSHOPS OFFER YOU:

- Engineering capacity (production drawings, 3D drawings and constructions)
- Transmission drive calculations (bearing area, fatigue-, breaking load-, and life time calculations)
- Assembly and sub-assembly
- Mounting of attachments, extended pins, paddles, slats and customer specific components
- Fit to shaft bores for sprockets according to customer specifications
- Special lubricants or re-lubrication according to customer specifications
- Putting together kits for KA N-Ban planning and production
- Production of official certificates and technical reports including matched length measurements and tolerances

Chains from Donghua are ISO9001-2000 and API certified. Our chains are fully compliant with **ISO 606-DIN:8187** & **ISO 606-DIN:8188**

## QUALITY CONTROL IS AN INTEGRAL PART OF OUR PRODUCTION PROCESSES

Depending on the customer's wishes or specifications, a wide range of tests and checks are possible. Both at our international headquarters and in the various production locations, laboratories have been set up where we carry out the following tests, among other things:

- State of the art 3D-measuring equipment
- Wear measurements
  - Breaking load
  - Pin holding power
  - Crushing strength test rollers
  - Material alloy spectro analyses
  - Metallurgic investigation
  - Hardness measurement of all components
  - Roughness measurements
  - 3D measuring and scanning
  - Matching within 1/2 and 1/3 DIN length tolerance



### STANDARD CHAINS (BS AND ANSI)

Standard chains (BS and ANSI): This range is used in a very wide range of applications in different machines and industries. Not only as pure transmission function, but also in material handling equipment for conveying applications. The price/quality performance, wear resistance, fatigue resistance and breaking load exceed the norm. Also available in Solid Bush, Solid Roller version (SBSR).



### HEAVY DUTY CHAINS

Heavy duty chains: These versions are designed for tough and demanding applications and environments. The increased plate thickness and improved material offers a higher shock load resistance and higher tensile strength.



### X3 CHAINS

X3 chains: This premium series has an improved wear and fatigue resistance and provides greater precision than our standard range of roller chains. Thanks to new production techniques and new surface treatments, resulting in a three times longer service life.



### EXL CHAINS

EXL chains: Solid Bush and Solid Roller design and is easy to disassemble through built-in Easy Break Technology. With wide waist plate geometry and with special lubrication for higher fatigue strength.



### CP CHAINS

CP chains: Standard steel chain with hard chromized pins for a 50% higher wear resistance than case hardened pins. Ideal for high speed and high frequency movement applications.



### SLR CHAINS

Self-Lubricating chains: SLR chains have nickel plated plates and chemical nickel plated pins. The oil impregnated sinter steel bushes provide lubrication when the chain is in progress. This chain is used in applications where lubricating is difficult or not possible.



### STAINLESS STEEL CHAINS (SS)

Stainless steel chains: SS 304 for medium strength and good corrosion resistance. SS 316 high corrosion resistance and often used in applications with chemicals or sea water. SS+ with improved pin material for a higher wear resistance. SS DT is a maintenance free SS 304 chain with plastic slide bearings between pin and bush for self-lubricating effect.



### ZINC AND NICKEL PLATED CHAINS (ZP AND NP)

Nickel/Zinc Plated Chains: NP and ZP chains offer a light anticorrosion resistance. Also used in applications where visual aspect is required.



### ZINTEK (ZT)

Anticorrosion chains: this standard steel chain has a zinc aluminum coating named Zintek (ZT) which offers an extremely high corrosion resistance. Also comes in ZT+ with chemical nickel plated pins for a higher wear resistance. The coating is free from harmful metals, but should not be used in direct contact with food.



### O-RING/X-RING

O-ring/X-ring chains: The O-rings or X-rings keep the dust and pollution outside the pin/bush area and the long lasting lubricant inside the pin/bush area. Often used in dirty environments or high speed applications.



### POLY-STEEL CHAINS (PC)

Poly-steel chains: made with SS 304 outer links and inner links made of engineering plastic. This is used in light applications in the food industry, it weighs 50 % lighter than a normal standard roller chain and produces less noise.

