

PINTLE CHAIN

In Stock, Order Yours Today!

Not a lot of manufacturers and suppliers in the UK stock Pintle conveyor chain, so we're delighted to advise that we have a good range in stock!

The Pintle conveyor chain is typically used in Agriculture and Timber sectors for conveying uses such as muck spreading or handling timber. The open barrel design of this chain helps to minimise material build up as it cleans the tooth root and removes any lodged material.

For more information about our Pintle chain call us on: 01902 866 200.

CONVEYOR CHAIN AVAILABLE DIRECT

Did you know you can buy certain Conveyor Chain direct from Donghua?

Most types of Conveyor Chain are sold through our Approved Product Partner, Chain+Conveyor. However, there is a range of chain that Stockists can buy direct from Donghua. These include:

- Extended pitch chains
- Metric pitch chains
- Agricultural chain



For more information, call us on: 01902 866200

The Grand Tour: Donghua Style

Bob Wellsbury, Lesley Abbey and James Green recently attended the four day Annual Group Conference in China.

This was the first visit to our global headquarters for James, the UK lead for Leaf Chain, and it gave him an ideal opportunity to meet colleagues from around the globe and see first-hand the impressive production facilities at the Group manufacturing headquarters.

James said: "I hadn't realised just how immense the manufacturing and technical capabilities in China were - one factory alone was the size of an industrial estate! I was impressed with the Leaf chain factory and particularly the testing facilities that they have on-site. I saw how chain is tested for Fatigue Life and Breaking Loads, which is particularly important for leaf chain, and a Salt Spray test where chain is sprayed continuously with salt to monitor how long the chain will last before it rusts. This is then repeated on chains with different coatings to compare results. This is a great test for chain which is used in arduous conditions such as ports."

He added: "It was a busy week and I've learnt a lot about the manufacturing and testing of our chain which I'll be sharing with customers back in the UK."



The Complete Drive Solution

Donghua Limited will be exhibiting again within the EPTDA Pavilion at the Drives & Controls exhibition at the NEC on 10-12 April 2018. A range of Donghua chain will be on display at what is the UK's leading automation, power transmission and motion engineering event.

We have plans for a new product launch that you won't want to miss, so make a note of the date and our Stand No. EP210 and join us at the show.



东华链条集团2017年度海外公司管理大会合影
During the four days, colleagues from across the globe reviewed sales & marketing, held technical meetings and took part in tours of the factories.

There was even time at the end of the trip for the Donghua Limited Team to enjoy a little downtime in downtown Shanghai...



ROUND UP

...and Action!

You may have seen the Hangzhou Donghua Chain Group's corporate video that promotes our global locations and our chain being manufactured & tested. If not, check out Videos on our website: donghua.co.uk/corporate-video

Many visitors to our UK headquarters in the West Midlands are often astounded at the capacity of our warehouse and the array of technical capabilities we have on-site. We therefore needed a video that showcased these.

We had some fun filming the video in November and edits to the footage will be finished in January. The video will be shown on our stand at Drives & Controls Expo in April and online; we'll let you know when it's available to watch. However, our door's always open for any of our Stockists, Distributors or your customers to visit us for a tour of our facilities.



Our Door's Always Open...
to arrange a tour call:
01902 866200

SPOT THE SPROCKET

We've hidden a number of sprockets throughout this issue...*

...find them all for a Chance to Win.

To enter, email sales@donghua.co.uk with your name and contact details, together with how many you think there are.

All correct entries will be put into our prize draw to win a **Christmas Hamper**.

Competition closes at midnight - **Friday 15th December 2017**; entries received after that time will not be included.

The winner will be drawn on **Monday 18th December 2017** and announced on our website & social media.

We will endeavour to organise delivery of the Hamper before Christmas.
For Donghua Limited competition rules please visit: donghua.co.uk/promotionterms
*Main sprocket image featured here is an example only and is not included in the final tally.



✉ **Want to Keep in Touch?**

Join our Mailing List:
www.donghua.co.uk/join-our-mailing-list
Follow us on Twitter:
@DonghuaUK
Like us on Facebook:
@DonghuaChainUK
Subscribe to our YouTube channel:
www.youtube.co.uk/DonghuaUK

CHRISTMAS 2017

DECEMBER 2017


• **21 December**
Final order date for pre-Christmas delivery.

• **21 December**
Final order date for delivery in the New Year.

• **22 December**
The office will close at 5pm on Friday 22nd December; re-opening 8.30am Tuesday 2nd January.

Out-of-Hours Service available throughout, call: **07769 145402**.

We would like to wish all our colleagues and customers a very Merry Christmas and a Happy New Year!

 **Locate a Supplier**
Search the Donghua interactive map

Are your details up to date?

Our interactive online map is one of the most visited pages on our website and is a tool we regularly promote to end-users so that they can locate their nearest Donghua Supplier.

Check online today:
donghua.co.uk/locate-a-supplier



CHAINtorque

Donghua Limited : Corporate Newsletter



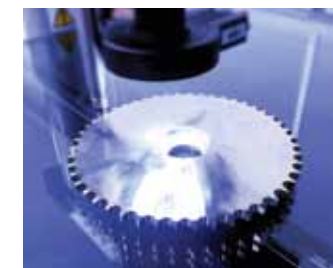
NEW UK LAB TESTING FACILITIES

Donghua is delighted to announce we have a new Laboratory at our UK headquarters. This means we can now supply made to measure Sprockets & provide reassurance that any component is 'made to drawing'.

Our Laboratory includes a range of high precision technical equipment including a Component Measuring Machine (CMM) which uses a fine optical probe, combining both a powerful microscope and camera functionality, to not only accurately measure any component but also indicate material grain structure and identify faults. This high specification system, which self-calibrates to ensure it's always set up correctly, measures to 2 microns - a human hair is 100 microns!

As well as conformance, we can test for concentricity, bore size and parallelism of high precision parts. For example, by inserting the tolerances of a sprocket from the approved drawing into the

computer programme, the system automatically measures the bore size (centre of a sprocket) switching to camera to locate and measure each outer tooth, constantly checking & comparing the data against the original drawing. Bespoke sprockets made to close tolerances are being tested in our laboratory.



Our Innovatest 600 machine, can test the hardness of chain components and identify whether they are case hardened or not. This is useful when testing both new and used materials, reporting against Rockwell Hardness Scale C, and

identifying why a product may have failed or has the potential to do so. The accuracy of this machine conforms to EN ISO 6508 & ASTM E-18.

With companies facing significant fines for chain failure in use, for example on fork lift trucks, and in order to satisfy stringent H&S legislation and avoid costly reworking, it's vital to ensure that your product is accurately tested and guaranteed fit for purpose.

We can undertake Inspection Reports for any make of chain or sprocket and report on failure or non-conformance; multiple product testing, subject to size, may be undertaken with a typical two day turnaround.

To find out more about our Lab Testing Services or to arrange a tour call: 01902 866200
or email us at: sales@donghua.co.uk

FEATURES THIS ISSUE>>

- **New UK Laboratory**
Find out about our new facilities
- **Chain Solutions on the Menu**
Check out our range of Food Sector Chain
- **Help Identifying Chain**
Our new Chain ID App is proving popular
- **Pintle Chain**
Now in stock...order today!
- **Conveyor Chain Direct**
See which conveyor chain you can buy direct



2017: A GOOD YEAR...

It's been another fantastic year for Donghua Limited!

The move to our new building at the end of 2016 tripled our warehouse capacity which has proved invaluable as more customers and end-users have requested Donghua chain.

We continue to be responsive to our customer's needs by extending the range of chain we stock in the UK. And this year we launched our first App which has proved popular with site engineers.

We're always pleased to welcome new UK Chain Stockists - if you'd like to join the team, call me on: 01902 866200.

Wishing You All A Prosperous 2018.



If you'd like to have a say or simply want to let others know what you're up to, mail us at: chaintorque@donghua.co.uk

We reserve the right to amend, remove or refuse any copy & the Editor's decision is final. All articles for inclusion should be submitted via email. Photos required in: CMYK JPEG or TIFF format, resolution: 300dpi.

CHAIN SOLUTIONS ON THE MENU...

At Donghua we recognise the stringent quality controls that are required for all materials supplied to the Food Sector and the need to minimise risks of contamination. We understand that down-time from chain misaligning or additional unplanned maintenance is not an option for food processors; that's why we offer a range of chain solutions specifically for the UK's Food Processing facilities.

Our range of Food Sector Chain includes:



POLYMER CHAIN -
Now Available to Order in:
1/2" 08B, 5/8" 10B, 3/4" 12B
Compatible with leading food processing machinery

ATTACHMENT CHAIN

The design of our Universal Attachment Chain has the same critical dimensions as other brands, meaning our Universal Attachment Chain can replace 99% of chain from other manufacturers.

Traditionally, chain manufacturers built attachments unique to them which made it impossible to replace with a different make. Donghua's Universal Attachments are designed so that they can replace many of the other makes.

Our Attachment Chain is available in 3/8" to 2", WK1 / K1 / K2 / M1 / M2 and extended pin attachments in British and American standards, including extended pitch chains from 1/2" to 2" pitch in Standard, Nickel Plated, Coated, Maintenance Free and Stainless Steel.



Our 'One Chain Fits All' solution gives our end-users more choice about the chain supplier they use.

POLYMER CHAIN

Donghua's Polymer Chain is engineered using Food Grade plastics that meet European/FDA Standards. The chain is designed to prevent the ingress of foreign matter and reduce the risk of contamination, making it an ideal conveyor chain for the Food Processing and Healthcare sectors.

Our Polymer Chain has a higher breaking load than other well-known brands and is lubrication free with corrosion protection, high wear life, low maintenance costs and **all the strength of Stainless Steel Chain but only half the weight!**

Our Polymer chain is compatible with leading food processing machinery.

SPECIALIST CHAIN

Developed specifically to customer specifications and always supplied to the required length, our Specialist Chain is manufactured to the highest standards with state-of-the-art finishing techniques, offering excellent wear resistance and low maintenance.



Hot dipped lubrication, the best type of chain lubrication available, is undertaken in-house.

HOT DIPPED LUBRICATION

Regular aggressive wash-down of machinery in food processing facilities can dilute and erode the lubricant on standard chain which contributes to rusting and wear.

Donghua's Food Grade Lubricated Chain not only benefits from a special alloy coating with revolutionary 'self-repair' properties to protect against corrosion, but has hot-dipped food grade lubrication undertaken in-house in the UK to help minimise erosion and extend the wear life of the chain.



Donghua is able to measure chain to within 10 microns per metre up to five metre lengths - longer lengths can be supplied matched & tagged.

Hot-dipped lubrication is the best type of chain lubrication available. Heating lubricant lowers its viscosity allowing full penetration into the bearing areas to provide optimum protection for the chain and reduce premature wear and maintenance downtime.

PRE-LOADING CHAIN

In order to minimise the initial elongation often found in in-house built chain and to minimise chain stretching and becoming misaligned during regular use, Donghua pre-loads (pre-stretches) all Attachment Chain meaning it's ready & easy to fit from the box with the best possible service life.



All Donghua chains are manufactured to close tolerances; chains can be supplied in matched sets to +/-0.5mm.

MEASURING CHAIN

Donghua is one of only a few manufacturers in the UK able to accurately measure chain to within 10 microns per metre up to five metres. Longer lengths of chain can be supplied matched and tagged to maintain accuracy of measurement along the entire length.

MATCHING CHAIN

Whilst Donghua's chain is already manufactured to consistent and close tolerances, we supply chain matched in sets to +/-0.5mm (5 metres). Longer lengths can be supplied matched and tagged to enable fitting in sequence in order to maintain accuracy along the entire length of chain.

Need Help Identifying Chain?

Unsure which Donghua chain you need?
Try our new mobile Chain ID App!



The App, launched earlier this year, is specifically designed for engineers out on-site who need immediate help to identify the right chain. For use on Apple or Android devices, our App is ideal - we guarantee a response within 1 Hour!*

The App works in the same way as the Chain ID Tool on our website, but users can upload an image of the chain they want to replace and orders placed via the App receive FREE Carriage.**

The Chain ID Tool and App can be used for the following chain types:

Agriculture Chain and Attachments
Conveyor Chain
Leaf Chain
Standard Roller Chain and Attachments

We've recently upgraded the Chain ID tools to help identify Conveyor Chain and are working on Sprockets.

Find them online at: donghua.co.uk/chain-id



*Response times quoted apply to enquiries received between 8.30am-4pm Monday-Friday. Enquiries received outside of these hours will be answered next working day.
**For a limited period only, see full terms on our website.

WHY MEASURING AND MATCHING MATTERS...

Chain that is accurately measured & matched within close tolerances to maintain accuracy along the entire length is vital in the Food Sector where multiple chains are often found running in parallel on a common shaft.

Misalignment causes indexing problems, resulting in uneven wear, reduced chain life and the potential for production-line malfunction & costly downtime.



Unmatched Conveyor Chain running in parallel on a common shaft.