

Tsubaki's BS/DIN Chain offers high performance in wet and corrosive environments

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There are four versions of Tsubaki's well proven BS/DIN European Standard Chain for use in corrosive environments. Each version is designed to outlast standard chains and provide a cost-effective operating solution across the widest range of operating environments, including low temperature, sanitary, outdoor, wet and humid atmospheres. With lower operating noise and lube free options there is a chain type in this range that will be ideal for most applications.

The chains are divided into two categories: corrosion resistant and corrosion protected. Included in the former category are BS PC Plastic Combination and BS Stainless Steel chains. BS PC chain offers the benefit of a stainless base, with link plates manufactured from SUS304 and spring clips from SUS301. These materials combine with inner chain links of engineering plastic to produce high levels of corrosion resistance, and the additional user benefits of lube-free operation, low noise performance (5 dB lower than BS standard roller chain) and weight saving: BS PC chain is 50% lighter than BS standard roller chain.

Another corrosion resistant chain in Tsubaki's range, BS stainless steel chain, is designed for more aggressive environments, such as underwater, acidic and alkaline applications, and high and low temperature operations (-20°C to +400°C). All basic components of this chain are manufactured from SUS304 stainless steel, except the spring clips, which are made of SUS301.

Complementing the two corrosion resistant chain variants, and providing users with more choice to tailor chain type to specific applications, are BS Neptune™ and BS Nickel Plated corrosion protected chains.

BS Neptune chain is suitable for use in applications that are subject to alkaline cleaning and wet environments. Environmentally compliant, Neptune chain offers the advantage of not containing any chemically hazardous substances such as Hexavalent Chromium, Lead, Cadmium, Mercury, or Arsenic. As such, Tsubaki Neptune chain is suitable for use in machines that need to be RoHS (Restriction of Hazardous Substances) compliant.

BS Neptune chain is a standard Tsubaki BS chain that has undergone a special surface treatment process. The link plates, bushes, rollers and pins of the chain have a special coating applied in order to provide the maximum protection from the operating or environmental conditions. Kilowatt ratings for Neptune chain are the same as those for corresponding sizes of Tsubaki standard BS chain.

Completing Tsubaki's range of BS chains for corrosive environments is BS NP (Nickel-Plated) Chain. BS NP Chain offers light corrosion

resistance, and an attractive exterior appearance. It is suitable for outdoor conditions where it is exposed to moisture.

Both the Neptune & Nickel Plated products benefit from the technology developed for the BS carbon steel chain range by way of the ring coined connecting links having 100% transmission capacity of the base chain. A unique design feature to Tsubaki.

Image captions:

Image 1: Tsubaki's BS PC chain offers the benefit of a stainless base, with link plates manufactured from SUS304 and spring clips from SUS301. These materials combine with inner chain links of engineering plastic to produce high levels of corrosion resistance.



Image 2: Tsubaki's Neptune chain is a standard BS chain that has undergone a special surface treatment process. The link plates, bushes, rollers and pins of the chain have a special coating applied in order to provide the maximum protection.

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About Tsubaki

Established in 1917, Tsubakimoto Chain Company is the world's premier manufacturer of power transmission products with strong market positions in premium quality industrial drive & conveyor chains and associated power transmission components such as cam clutches, reducers & linear actuators. With a turnover exceeding \$1,5 Billion US Dollars & 6,500 employees, the Tsubaki group includes 41 manufacturing locations and 81 group companies worldwide. Our production and sales networks are now more developed than ever.

Tsubakimoto Europe B.V. serves Power Transmission customers in the Pan-European market, Africa and the Middle East from European headquarters located in Dordrecht, the Netherlands, along with a local subsidiary based in Nottingham, serving the UK market & Ireland and from the office in Ismaning, Germany customers in Germany, Austria and Switzerland are served. Customers in Spain and Portugal are served by our office in Madrid, Spain.

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