



High Performance Chains



ATHELETE

EVERLASTING RUNNER

Maintenance Free Chains

Long Lasting Chains



Maintenance
Free Operation



Reduced
Downtime



Environment
Friendly



DIAMOND "ATHELETE" Maintenance free chains are manufactured to operate in Lube Free applications.

DIAMOND ATHELETE CHAINS

Designed to perform without frequent maintenance
Suitable for applications where lubrication is difficult or not permitted
Used where product contamination has to be avoided

DIAMOND ATHELETE Chains work with standard sprockets of ISO roller chains and are available in both **BS** and **ANSI** standards.

FEATURES



High corrosion resistance coated plates and solid rollers



Sintered Bushes impregnated with high performance lubricant

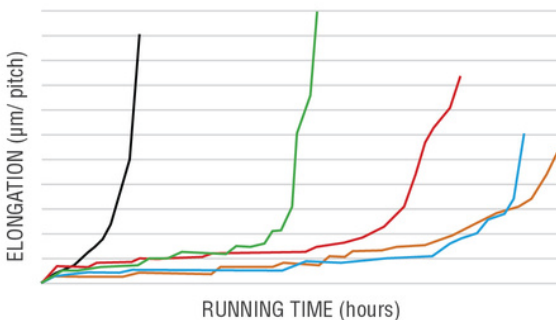


Alloy steel pins with high wear resistance diffusion coating

WEAR RESISTANCE

DIAMOND ATHELETE Maintenance Free Chains outlast standard chains in terms of wear life without frequent lubrication.

Comparative wear test – ANSI 80 Chains



- ANSI 80 DIAMOND Standard chain with Factory lubrication
- ANSI 80 Maintenance Free Chain – Competitor C
- ANSI 80 Maintenance Free Chain – Competitor A
- ANSI 80 Maintenance Free Chain – Competitor B
- ANSI 80 Maintenance Free Chain - DIAMOND ATHELETE

Testing Condition	Details
Machine	Constant Load Wear Test Rig
Input Power	36 KW
RPM	180 RPM
Drive Sprocket	17 Teeth
Driven Sprocket	17 Teeth
Chain Linear Velocity	1.9 M/Sec
Torque	1910 Nm
Total Force	27736 N

Benefits



No pollution
No oil contamination which can lead to rejection of the products manufactured, no more recycling of used oil which is difficult and always expensive



Reliability improvement
No premature wear on chains due to insufficient lubrication, no stops due to seizing which could cause people or products to fall



Large reduction in maintenance costs
No lubricants required which saves expenses on lubrication equipment and excess oil recovery systems



Significant reduction of fire risks
No risk of fire due to the accumulation of oil in combination with dust and debris



Clean environment
Pressurised washing possible without water getting contaminated by the lubricant