

Extended Life CHP™ Series Chain Products

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CHAINS - SPROCKETS - PLASTICS - POWER TRANSMISSION

Phone 0800 102 112 - www.supplyservices.co.nz

Extended Life CHP™ Series Chain Products

Up until now there have been many attempts to produce roller chains capable of operating without lubrication. These attempts have focused on either sealing a fixed volume of lubricant inside the joint during manufacturing or by providing certain chain components produced from porous materials reported to retain and disperse lubricant as the chain requires. These types of solutions are often only offered in limited sizes and attachments may not be available.

Sealed joint chains are just that – sealed. Once the internal reservoir of lubricant is exhausted there is no method of replenishing that supply in service. Additionally, many environments are unsuitable for these type of chains due to speeds, loads, temperatures, chemicals or abrasives that can destroy or dislodge the seals.

Porous component chains are often hindered in similar ways as sealed chains. Typically, their ability to transmit high loads and their temperature ranges are limited. Some are produced with “rollers” by using a porous bushing material with a thicker cross-section and a “thinner” roller causing impact load issues. Dry, dusty or abrasive conditions can reduce the operating life of these types of products.

Chain elongation, due to wear, is the primary mode of failure in most roller chain drives. Wear is the result of abrasion between the pin and bushing. The rate of wear between these two components is often accelerated by the operating environment or the inability to adequately provide lubricant to these parts.

Until now...welcome to Extended Life CHP™ Chain Series.



www.drivesinc.com
USA/ Fulton, IL



PTPLACE.COM



AMERICAN CHAIN
ASSOCIATION

American
Petroleum
Institute

LICENSED UNDER
SPEC 7F-0022



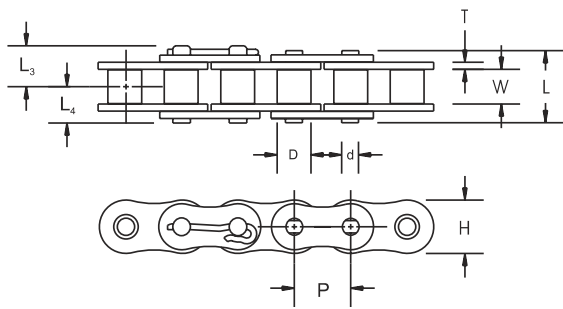
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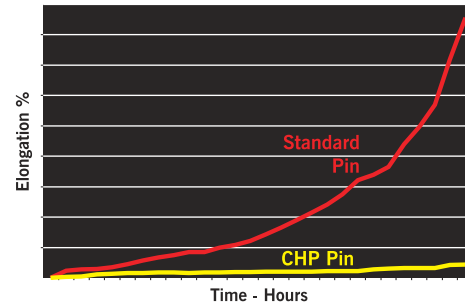
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Drives, Incorporated Extended Life CHP™ Series Chain Products



Elongation vs. Time



Extended Life CHP™ chains:

CHP hard chrome plated pins possess standard steel's metallurgical properties for toughness and strength while delivering an extremely hard wear resistant pin surface. CHP chain pins resist wear longer than standard heat treated pins, even in dry and abrasive environments.

- CHP chain is directly interchangeable with standard ANSI chain
- Outstanding wear and shock load performance even at elevated temperatures
- No reduction in working loads or operating speeds
- Exceptional pin wear resistance reduces chain elongation and can increase wear life by 3X over conventional premium chains
- Full range of ANSI standard attachments available

Drives, Inc.	Pitch	Width Between L.P.	Roller Dia.	Average Weight
Chain No.	P	W	D	Lb./Ft.
40	0050	0031	0031	0042
50	0062	0037	0040	0071
60	0075	0050	0046	106
80	1000	0062	0062	186
100	1025	0075	0075	280
120	1050	1000	0087	453
140	1075	1000	1000	563
160	2000	1025	1612	630
180	2025	1040	1640	9010
200	2050	1049	1256	10090
240	3000	1486	1587	16040
C2040	1000	0231	0231	0084
C2050	1025	0037	0040	0058
C2060H	1050	0050	0047	1001
C2080H	2000	0062	0062	1420

NOTE:

- CHP offsets available on a made-to-order basis.
- Cotter type connecting links standard for CHP chains.
 - 40 thru 60 pitch dual cotter key
 - 80 thru 160 pitch hardened hook cotter
 - 180 thru 240 pitch coated T-pin
- Available in single and multiple strand sizes - #40 to #240.
- Riveted or cottered pins available depending on size.
- Corrosion resistant finishes for components available upon request.

- * Drives, Inc. Engineering and the American Chain Association (ACA) recommend sprockets and roller chain changed out at the same time.
- * Drives, Inc. recommends operating roller chain with periodic lubrication and maintenance review. Various lubricants are available including food grade and no "stain", depending on application.
- * Product specifications subject to change without notice.

