SKF Xtra Performance SLR Chains

The method of achieving internal lubrication of the chains is known as sintering and consists of the high quality oil impregnation of the components during their manufacture. The steel bushings are forged with lubricant within the material structure of the steel. During this operation, the lubricant forms a micro thin layer between the pin and internal roller surfaces.

Self-lubricating chains provide excellent service life without relubrication. In addition, self-lubricating chain pins are nickel-plated to provide a very smooth running surface that will not cause the self-lubricating bushings to wear. The
link plates are black phosphate coated. Self-lubricating chains are interchangeable with standard roller chains.

The use of self-lubricating chains can substantially reduce elongation in many applications. This provides an increased service life of the chain.

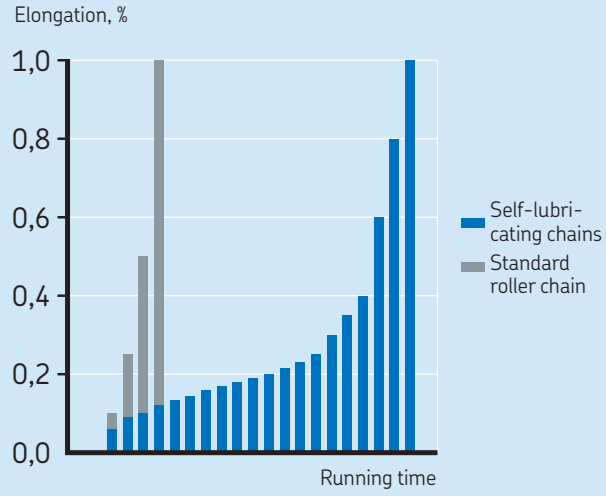
The SKF Xtra Performance SLR Chains can also be used as a base for attachment chains, which are commonly required in the printing and packaging industry.

SKF Xtra Performance SLR Chains used on food processing machinery

Application

As self-lubricating chains do not require lubricant, they are suitable for applications where lubrication is not possible or
practical. Consequently, these chains offer a long-lasting maintenance-free solution. Contamination of the final product from oil spillage or oil mist is the primary reason for lubrication-free chains in the paper, packaging, electronics, white and brown goods manufacturing sectors. Altogether, if lubrication can be avoided, planned lubrication intervals are unnecessary and maintenance costs are reduced accordingly.

SKF Xtra Performance SLR Chains vs standard chains



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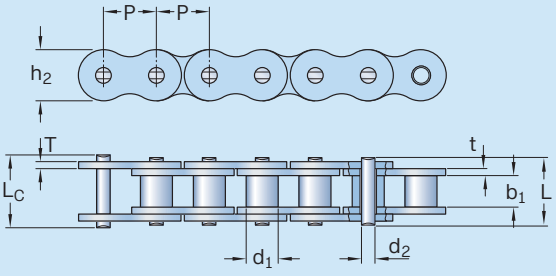

Chain number	Dimensions										Ultimate tensile strength	Weight per meter	Designation
	Pitch	Roller diameter	Width between inner plates	Width between outer plates	Pin diameter	Pin length		Plate height	Plate thickness				
	P	d_1 max	b_1 min	b_2 min	d_2 max	L max	L_C max	h_2 max	t max	T max	Q min	q	
–	mm										kN	kg/m	–
08B-1SLR	12,70	8,51	7,75	13,03	4,45	18,3	19,8	11,8	1,60	1,60	18,0	0,73	**PHC 08B-1SLR...**
10B-1SLR	15,88	10,16	9,65	13,75	5,08	19,9	21,6	14,7	1,70	1,70	22,4	0,97	**PHC 10B-1SLR...**
12B-1SLR	19,05	12,07	11,68	15,75	5,72	22,5	24,2	16,0	1,85	1,85	29,0	1,20	**PHC 12B-1SLR...**
16B-1SLR	25,40	15,88	17,02	27,50	8,28	38,1	40,6	21,0	4,15	3,10	60,0	2,72	**PHC 16B-1SLR...**
12B-2SLR	19,05	12,07	11,68	35,21	5,72	42,0	43,6	16,0	1,85	1,85	58,0	2,42	**PHC 12B-2SLR...**
16B-2SLR	25,40	15,88	17,02	57,46	8,28	68,0	71,0	21,0	4,15	3,10	106,0	5,68	**PHC 16B-2SLR...**
40-1SLR	12,7	7,95	7,85	12,25	3,96	16,6	17,8	12,0	1,5	1,5	14,1	0,62	**PHC 40-1SLR...**
50-1SLR	15,88	10,16	9,40	13,84	5,03	20,7	22,2	15,1	2,03	2,03	21,8	1,12	**PHC 50-1SLR...**
60-1SLR	19,05	11,91	12,57	19,35	5,94	27,5	29,3	18,0	2,42	2,42	34,2	1,65	**PHC 60-1SLR...**
80-1SLR	25,40	15,88	15,75	22,66	7,92	32,7	35,0	24,0	3,25	3,25	56,7	2,63	**PHC 80-1SLR...**
100-1SLR	31,75	19,05	18,90	27,51	9,53	40,4	44,7	30,0	4,00	4,00	86,7	3,94	**PHC 100-1SLR...**
60-2SLR	19,05	11,91	12,57	42,13	5,94	50,3	52,1	18,0	3,25	2,42	68,4	3,21	**PHC 60-2SLR...**

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 10 ft. box of 10B-1SLR is PHC 10B-1SLRX10FT.
For links, add "C/L" for "connecting" and "O/L" for "offset" to the designation.