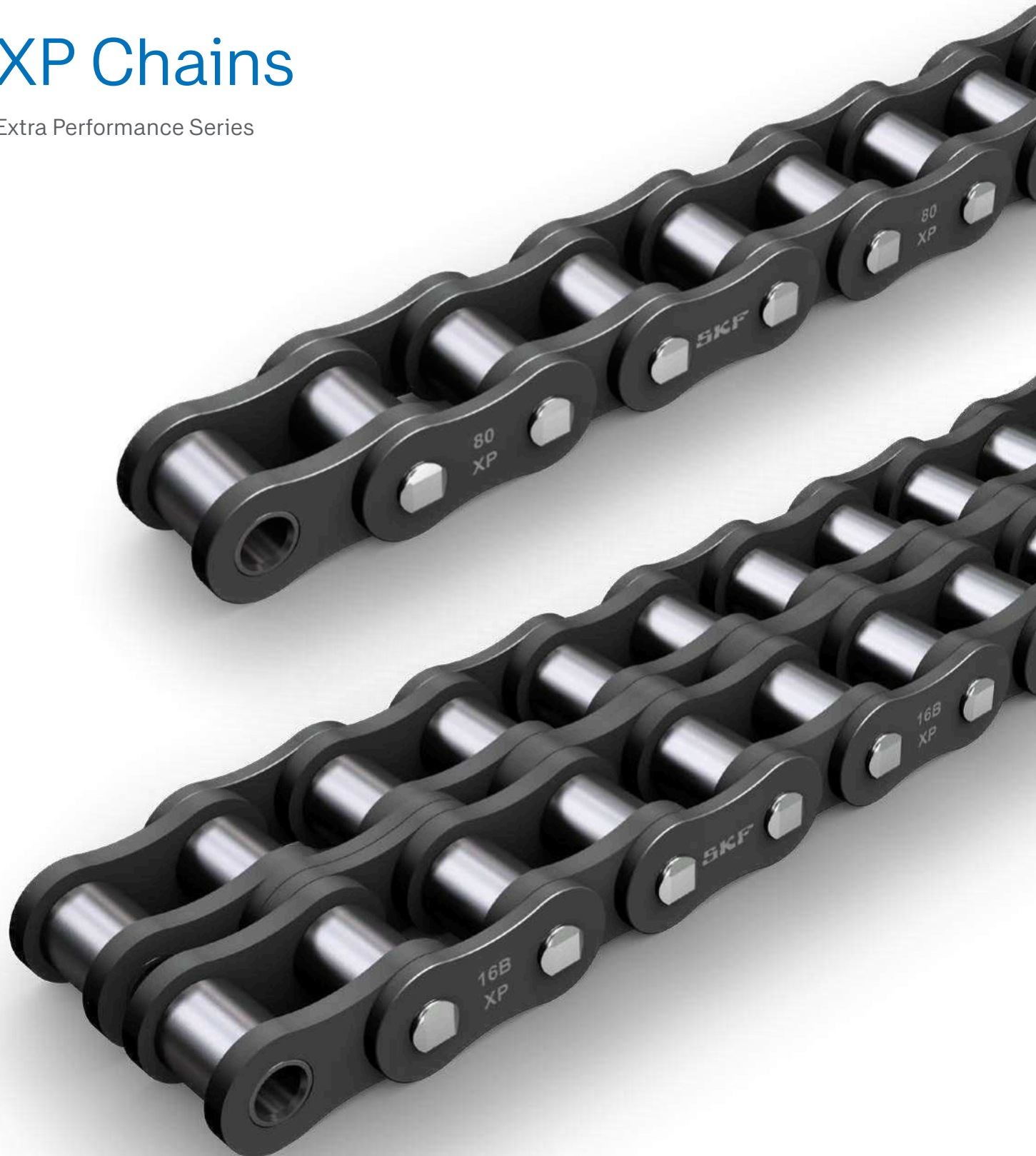


XP Chains

Extra Performance Series

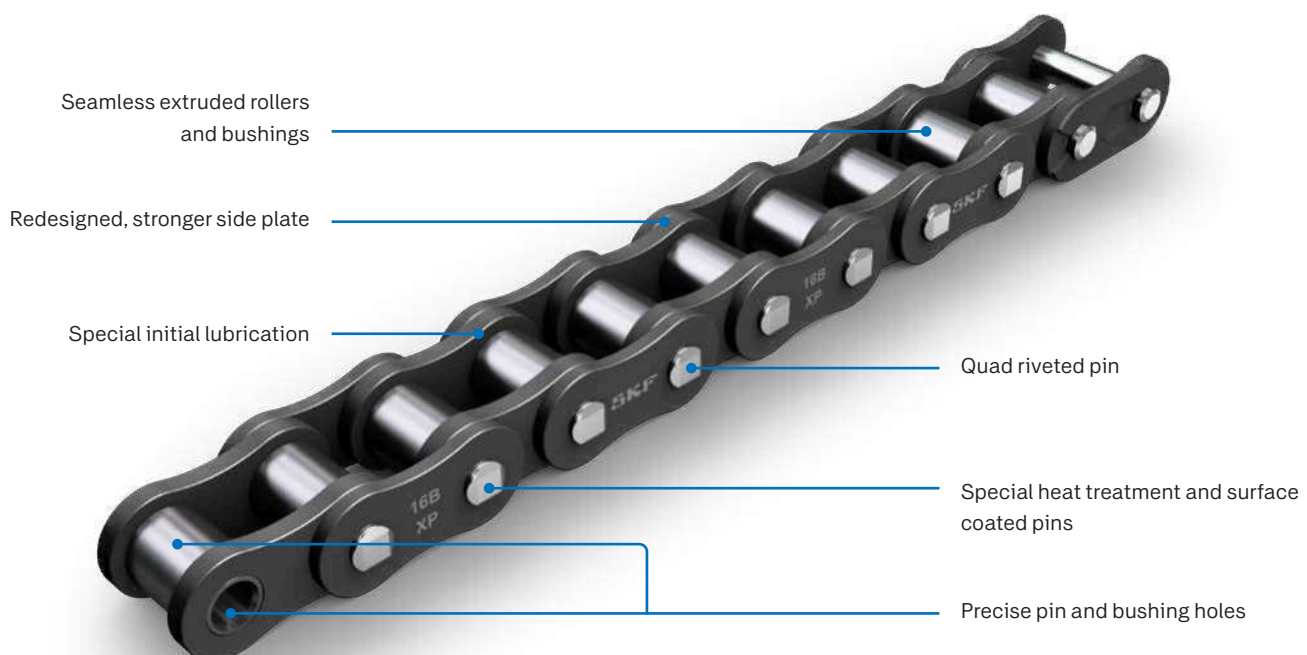
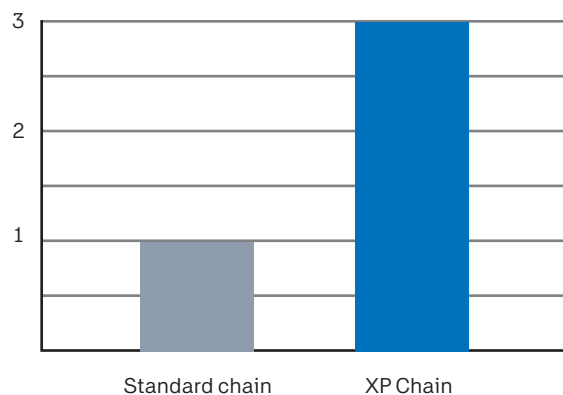


Extra performance at every rotation

In industrial equipment, every component plays a crucial role in ensuring optimal performance and productivity. That's why it's essential to choose the right transmission chain for your application.

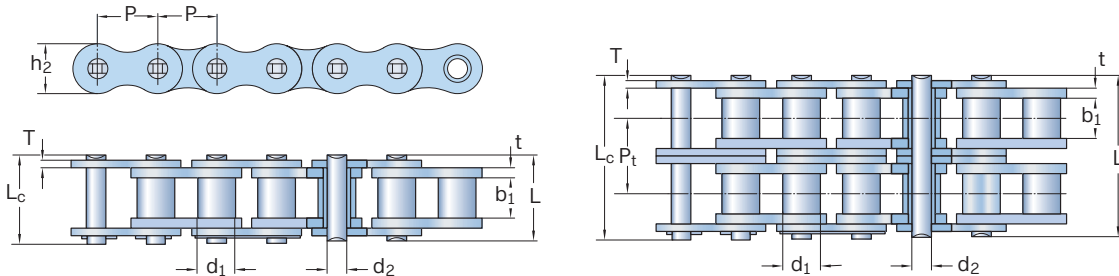
XP Chains are designed to provide higher fatigue strength and wear resistance in demanding applications where high precision, speed and load capacity are essential. By reducing friction, wear and noise, you can minimize energy loss and ensure a smoother operation, leading to lower energy costs and improved reliability.

- Higher wear resistance – up to three times more than a standard chain
- Improved fatigue and tensile strength
- High precision - even at higher speeds
- Corrosion resistant



Short pitch precision roller chains

XP Series



BS European standard chains

BS/ISO Chain number	Pitch p	Roller diameter d ₁ Max.	Width between inner plates b ₁ Min.	Pin diameter d ₂ Max.	Pin length L Max. L _c Max.	Inner plate height h ₂ Max.	Plate thickness t / T Max.	Transverse pitch P _t	Ultimate tensile strength Q Min.	Average tensile strength Q ₀	Weight per meter	Designation
–	mm								kN	kN	kg/m	–
06B-1XP	9.525	6.35	5.72	3.28	13.15 14.1	8.20	1.30	–	10.0	11.0	0.41	PHC 06B-1X5MTR-XP
08B-1XP	12.700	8.51	7.75	4.45	16.70 18.2	11.80	1.60	–	21.0	23.0	0.69	PHC 08B-1X5MTR-XP
10B-1XP	15.875	10.16	9.65	5.08	19.50 20.9	14.70	1.70	–	28.5	31.0	0.93	PHC 10B-1X5MTR-XP
12B-1XP	19.050	12.07	11.68	5.72	22.50 24.2	16.00	1.85	–	33.0	36.0	1.15	PHC 12B-1X5MTR-XP
16B-1XP	25.400	15.88	17.02	8.28	36.10 37.4	21.00	4.15	–	70.0	77.0	2.71	PHC 16B-1X5MTR-XP
20B-1XP	31.750	19.05	19.56	10.19	41.30 45.0	26.40	4.50	–	106.7	117.0	3.70	PHC 20B-1X5MTR-XP
24B-1XP	38.100	25.40	25.40	14.63	53.40 57.8	33.20	6.00	–	176.0	193.0	7.10	PHC 24B-1X5MTR-XP
06B-2XP	9.525	6.35	5.72	3.28	23.4 24.4	8.20	1.30	10.24	18.5	20.0	0.77	PHC 06B-2X5MTR-XP
08B-2XP	12.700	8.51	7.75	4.45	31.0 32.2	11.80	1.60	13.92	36.0	39.0	1.34	PHC 08B-2X5MTR-XP
10B-2XP	15.875	10.16	9.65	5.08	36.1 37.5	14.70	1.70	16.59	55.6	61.0	1.84	PHC 10B-2X5MTR-XP
12B-2XP	19.050	12.07	11.68	5.72	42.0 43.6	16.00	1.85	19.46	63.5	69.0	2.31	PHC 12B-2X5MTR-XP
16B-2XP	25.400	15.88	17.02	8.28	68.0 69.3	21.00	4.15	31.88	121.9	134.0	5.42	PHC 16B-2X5MTR-XP
20B-2XP	31.750	19.05	19.56	10.19	77.8 81.5	26.40	4.50	36.45	211.2	232.0	7.20	PHC 20B-2X5MTR-XP
24B-2XP	38.100	25.40	25.40	14.63	101.7 106.2	33.20	6.00	48.36	308.0	338.0	13.40	PHC 24B-2X5MTR-XP

American Standard chains

ANSI Chain number	Pitch p	Roller diameter d ₁ Max.	Width between inner plates b ₁ Min.	Pin diameter d ₂ Max.	Pin length L Max. L _c Max.	Inner plate height h ₂ Max.	Plate thickness t / T Max.	Transverse pitch P _t	Ultimate tensile strength Q Min.	Average tensile strength Q ₀	Weight per meter	Designation
–	mm								kN / lbf	kN / lbf	kg/m	–
35-1XP	9.525	5.08	4.77	3.58	12.40 13.17	9.00	1.30	–	9.5 / 2136	13.3 / 2990	0.38	PHC 35-1X10FT-XP
40-1XP	12.700	7.92	7.85	3.96	16.60 17.80	12.00	1.50	–	16.7 / 3754	18.1 / 4069	0.68	PHC 40-1X10FT-XP
50-1XP	15.875	10.16	9.40	5.08	20.70 22.20	15.09	2.03	–	28.3 / 6362	30.8 / 6924	1.13	PHC 50-1X10FT-XP
60-1XP	19.050	11.91	12.57	5.94	25.90 27.70	18.00	2.42	–	37.6 / 8452	45 / 10116	1.62	PHC 60-1X10FT-XP
80-1XP	25.400	15.88	15.75	7.92	32.70 35.00	24.00	3.25	–	66.7 / 14994	77.8 / 17490	2.78	PHC 80-1X10FT-XP
100-1XP	31.750	19.05	18.90	9.53	40.40 44.70	30.00	4.00	–	95.7 / 21513	111.7 / 25111	4.25	PHC 100-1X10FT-XP
120-1XP	38.100	22.23	25.22	11.10	50.30 54.30	35.70	4.80	–	137.5 / 30910	151.4 / 34036	6.08	PHC 120-1X10FT-XP
35-2XP	9.525	5.08	4.77	3.58	22.50 23.30	9.00	1.30	10.13	19.0 / 4271	25.8 / 5800	0.62	PHC 35-2X10FT-XP
40-2XP	12.700	7.92	7.85	3.96	31.00 32.20	12.00	1.50	14.38	33.4 / 7508	37.4 / 8408	1.36	PHC 40-2X10FT-XP
50-2XP	15.875	10.16	9.40	5.08	38.90 40.40	15.09	2.03	18.11	56.7 / 12746	64.1 / 14410	1.98	PHC 50-2X10FT-XP
60-2XP	19.050	11.91	12.57	5.94	48.80 50.50	18.00	2.42	22.78	75.1 / 16882	95.2 / 21402	3.10	PHC 60-2X10FT-XP
80-2XP	25.400	15.88	15.75	7.92	62.70 64.00	24.00	3.25	29.29	133.4 / 29988	157.9 / 35497	5.21	PHC 80-2X10FT-XP
100-2XP	31.750	19.05	18.90	9.53	76.40 80.50	30.00	4.00	35.76	191.4 / 43027	229.9 / 51684	8.40	PHC 100-2X10FT-XP
120-2XP	38.100	22.23	25.22	11.10	95.80 99.70	35.70	4.80	45.44	275.0 / 61820	291.8 / 65600	12.07	PHC 120-2X10FT-XP

Note: The ANSI series XP Chains are also available in 5 meter versions. For example, PHC 35-1X5MTR-XP. For further information, please contact SKF.

Connecting links



Simplex connecting chain link

BS/ISO	ANSI
Designation	Designation
PHC 06B-1C/L-XP	PHC 35-1C/L-XP
PHC 08B-1C/L-XP	PHC 40-1C/L-XP
PHC 10B-1C/L-XP	PHC 50-1C/L-XP
PHC 12B-1C/L-XP	PHC 60-1C/L-XP
PHC 16B-1C/L-XP	PHC 80-1C/L-XP
PHC 20B-1C/L-XP	PHC 100-1C/L-XP
PHC 24B-1C/L-XP	PHC 120-1C/L-XP



Simplex offset chain link

BS/ISO	ANSI
Designation	Designation
PHC 06B-1O/L-XP	PHC 35-1O/L-XP
PHC 08B-1O/L-XP	PHC 40-1O/L-XP
PHC 10B-1O/L-XP	PHC 50-1O/L-XP
PHC 12B-1O/L-XP	PHC 60-1O/L-XP
PHC 16B-1O/L-XP	PHC 80-1O/L-XP
PHC 20B-1O/L-XP	PHC 100-1O/L-XP
PHC 24B-1O/L-XP	PHC 120-1O/L-XP



Duplex connecting chain link

BS/ISO	ANSI
Designation	Designation
PHC 06B-2C/L-XP	PHC 35-2C/L-XP
PHC 08B-2C/L-XP	PHC 40-2C/L-XP
PHC 10B-2C/L-XP	PHC 50-2C/L-XP
PHC 12B-2C/L-XP	PHC 60-2C/L-XP
PHC 16B-2C/L-XP	PHC 80-2C/L-XP
PHC 20B-2C/L-XP	PHC 100-2C/L-XP
PHC 24B-2C/L-XP	PHC 120-2C/L-XP



Duplex offset chain link

BS/ISO	ANSI
Designation	Designation
PHC 06B-2O/L-XP	PHC 35-2O/L-XP
PHC 08B-2O/L-XP	PHC 40-2O/L-XP
PHC 10B-2O/L-XP	PHC 50-2O/L-XP
PHC 12B-2O/L-XP	PHC 60-2O/L-XP
PHC 16B-2O/L-XP	PHC 80-2O/L-XP
PHC 20B-2O/L-XP	PHC 100-2O/L-XP
PHC 24B-2O/L-XP	PHC 120-2O/L-XP



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