



High strength short pitch roller chains

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SP系列高强度短节距滚子链

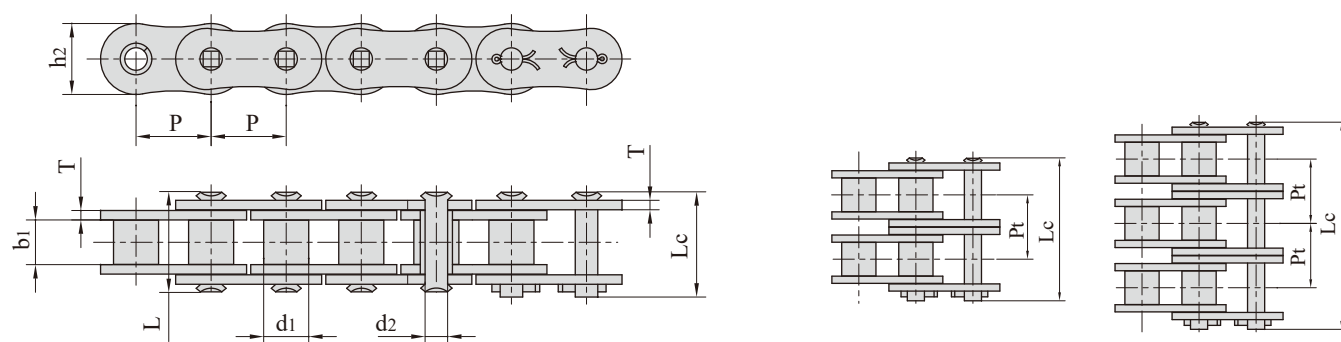
SP series high strength short pitch roller chains

单排、双排、三排

Simplex, Duplex & Triplex strands

SP系列高强度滚子链通过对结构尺寸、零件材料和热处理加工的整体优化设计，其抗拉强度比A系列标准滚子链增加约28%以上，具备优良的疲劳强度和抗冲击性能。

By adopting integrated optimum design of the structural dimensions, parts material and heat treatment process, the tensile strength of SP series high strength roller chain is 28% more than that of A series standard roller chain. Moreover, it has excellent performances of fatigue strength and impact resistance etc..

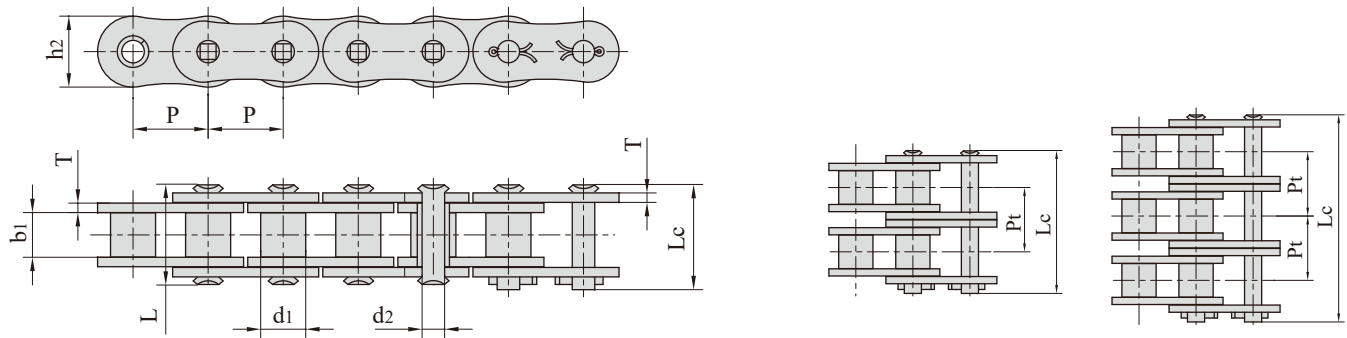


链号 Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length		内链板高度 Inner plate depth	链板厚度 Plate thickness	排距 Transverse pitch	抗拉强度 Tensile strength	平均抗拉强度 Average tensile strength	每米长重 Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T	Pt	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/lbf	kN	kg/m
80SP-1	25.40	15.88	15.75	7.94	32.7	36.5	24.1	3.2	-	77.5/17434	85.3	2.86
100SP-1	31.75	19.05	18.95	9.54	40.4	44.7	30.1	4.0	-	115.5/25982	127.0	4.21
120SP-1	38.10	22.23	22.22	11.11	50.3	54.3	36.2	4.8	-	165.0/37118	186.0	6.36
140SP-1	44.45	25.40	25.22	12.71	54.4	59.0	42.2	5.6	-	222.7/50098	245.0	8.04
160SP-1	50.80	28.58	31.55	14.29	64.8	69.6	48.2	6.4	-	285.5/64215	314.0	10.80
200SP-1	63.50	39.68	37.85	19.85	80.3	87.2	60.3	8.0	-	445.5/100208	490.0	18.00
80SP-2	25.40	15.88	15.75	7.94	62.7	65.8	24.1	3.2	29.29	155.0/34868	170.6	5.68
100SP-2	31.75	19.05	18.95	9.54	76.4	80.5	30.1	4.0	35.76	231.0/51965	255.0	8.34
120SP-2	38.10	22.23	25.22	11.11	95.8	99.7	36.2	4.8	45.44	339.0/76260	373.0	12.63
140SP-2	44.45	25.40	25.22	12.71	103.3	107.9	42.2	5.6	48.87	445.5/100218	490.0	15.92
160SP-2	50.80	28.58	31.55	14.29	123.3	128.1	48.2	6.4	58.55	571.0/128430	628.0	21.43
200SP-2	63.50	39.68	37.85	19.85	151.9	158.8	60.3	8.0	71.55	892.0/200621	981.0	35.00
80SP-3	25.40	15.88	15.75	7.94	91.7	95.1	24.1	3.2	29.29	232.5/52302	255.9	8.18
100SP-3	31.75	19.05	18.95	9.54	112.2	116.3	30.1	4.0	35.76	347.3/78128	382.0	12.47
120SP-3	38.10	22.23	25.22	11.11	141.4	145.2	36.2	4.8	45.44	508.0/114278	559.0	18.90
140SP-3	44.45	25.40	25.22	12.71	152.2	156.8	42.2	5.6	48.87	668.0/150271	735.0	23.84
160SP-3	50.80	28.58	31.55	14.29	181.8	186.6	48.2	6.4	58.55	855.5/192441	941.0	32.10
200SP-3	63.50	39.68	37.85	19.85	223.5	230.4	60.3	8.0	71.55	1336.4/300633	1470.0	52.50

SP系列高强度短节距滚子链

SP series high strength short pitch roller chains

单排、双排、三排
Simplex, Duplex & Triplex strands

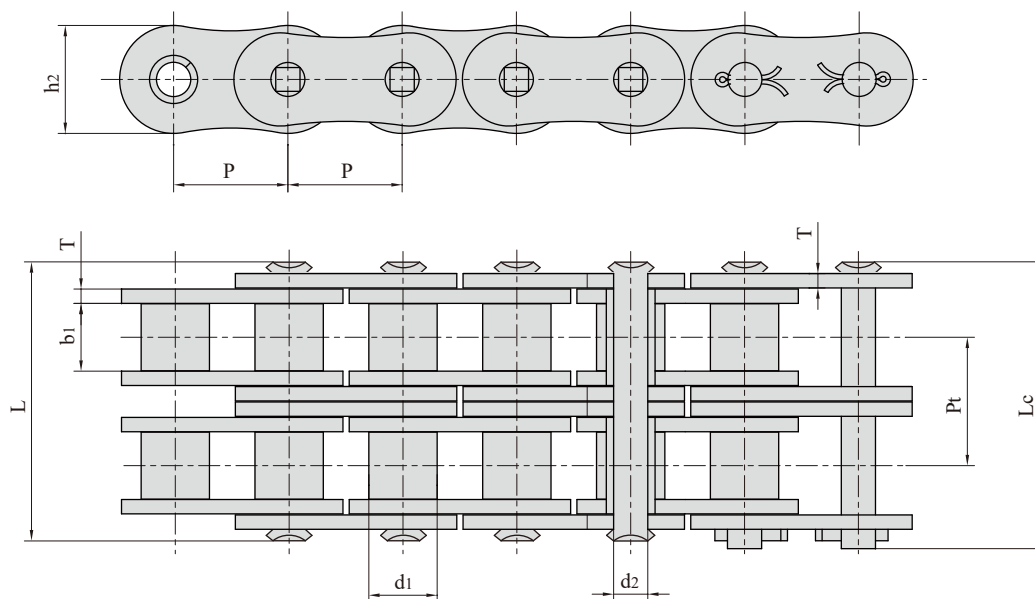


链号 Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length		内链板高度 Inner plate depth	链板厚度 Plate thickness	排距 Transverse pitch	抗拉强度 Tensile strength	平均抗拉强度 Average tensile strength	每米长重 Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T	Pt	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/lbf	kN	kg/m
80HSP-1	25.40	15.88	15.75	7.94	36.2	38.9	24.1	4.0	-	89.2/20066	98.1	3.36
100HSP-1	31.75	19.05	18.95	9.54	43.6	46.9	30.1	4.8	-	131.8/29649	145.0	4.90
120HSP-1	38.10	22.23	25.22	11.11	53.5	57.5	36.2	5.6	-	176.0/39592	196.0	7.12
140HSP-1	44.45	25.40	25.22	12.71	57.6	62.2	42.2	6.4	-	231.9/52149	255.0	8.88
160HSP-1	50.80	28.58	31.55	14.29	68.2	73.0	48.2	7.2	-	294.5/66260	324.0	11.72
200HSP-1	63.50	39.68	37.85	19.85	86.6	93.5	60.3	9.5	-	543.6/122295	598.0	19.80
80HSP-2	25.40	15.88	15.75	7.94	68.8	72.0	24.1	4.0	32.59	178.4/40132	196.2	6.65
100HSP-2	31.75	19.05	18.95	9.54	82.7	86.0	30.1	4.8	39.09	263.6/59299	290.0	9.71
120HSP-2	38.10	22.23	25.22	11.11	102.4	106.4	36.2	5.6	48.87	356.4/80175	392.0	14.12
140HSP-2	44.45	25.40	25.22	12.71	109.8	114.4	42.2	6.4	52.20	463.6/104300	510.0	17.38
160HSP-2	50.80	28.58	31.55	14.29	130.1	134.9	48.2	7.2	61.90	588.0/132275	647.0	23.00
200HSP-2	63.50	39.68	37.85	19.85	164.9	171.8	60.3	9.5	78.31	1091.0/245429	1200.0	38.50
80HSP-3	25.40	15.88	15.75	7.94	101.4	104.6	24.1	4.0	32.59	267.6/60200	294.3	9.95
100HSP-3	31.75	19.05	18.95	9.54	121.8	125.1	30.1	4.8	39.09	395.4/88948	435.0	14.53
120HSP-3	38.10	22.23	25.22	11.11	151.2	155.2	36.2	5.6	48.87	534.5/120250	588.0	21.12
140HSP-3	44.45	25.40	25.22	12.71	162.0	166.6	42.2	6.4	52.20	695.5/156448	765.0	25.88
160HSP-3	50.80	28.58	31.55	14.29	192.0	196.8	48.2	7.2	61.90	882.7/198576	971.0	34.22
200HSP-3	63.50	39.68	37.85	19.85	243.2	250.1	60.3	9.5	78.31	1627.3/366073	1790.0	57.29

SP系列高强度短节距滚子链

SP series high strength short pitch roller chains

双排滚子链Duplex roller chains



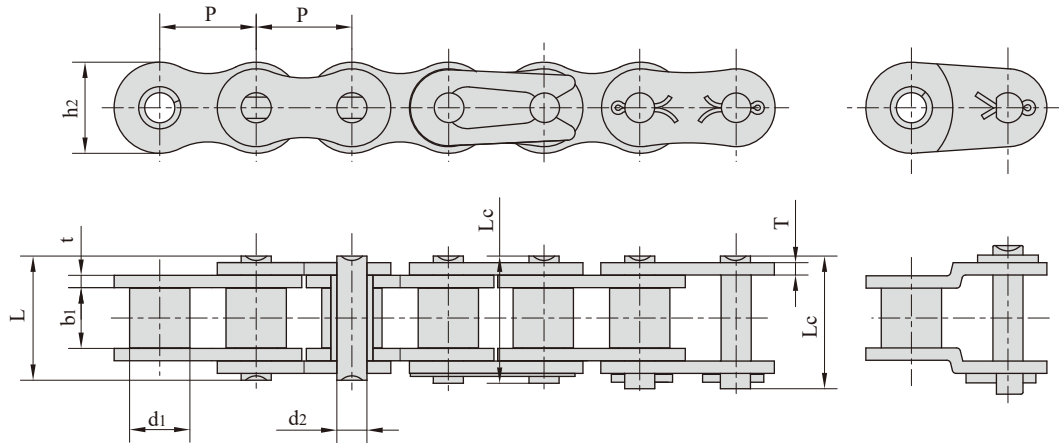
链号	节距	滚子直径	内节内宽	销轴直径	销轴长度		内链板高度	链板厚度	排距	抗拉强度	平均抗拉强度	每米长重
Chain No.	P	d ₁ max	b ₁ min	d ₂ max	L max	L _c max	h ₂ max	T	P _t	Q _{min}	Q ₀	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/lbf	kN	kg/m
80SPE-2	25.40	15.88	15.75	7.94	62.7	65.8	24.1	3.2	29.29	155.0/34868	170.6	5.68
100SPE-2	31.75	19.05	18.95	9.54	76.4	80.5	30.1	4.0	35.76	231.0/51965	255.0	8.34
120SPE-2	38.10	22.23	25.22	11.11	95.8	99.7	36.2	4.8	45.44	339.0/76260	373.0	12.63
140SPE-2	44.45	25.40	25.22	12.71	103.3	107.9	42.2	5.6	48.87	445.5/100218	490.0	15.92
160SPE-2	50.80	28.58	31.55	14.29	123.3	128.1	48.2	6.4	58.55	571.0/128430	628.0	21.43
200SPE-2	63.50	39.68	37.85	19.85	151.9	158.8	60.3	8.0	71.55	892.0/200621	981.0	35.00
80HSPE-2	25.40	15.88	15.75	7.94	68.8	72.0	24.1	4.0	32.59	178.4/40132	196.2	6.65
100HSPE-2	31.75	19.05	18.95	9.54	82.7	86.0	30.1	4.8	39.09	263.6/59299	290.0	9.71
120HSPE-2	38.10	22.23	25.22	11.11	102.4	106.4	36.2	5.6	48.87	356.4/80175	392.0	14.12
140HSPE-2	44.45	25.40	25.22	12.71	109.8	114.4	42.2	6.4	52.20	463.6/104300	510.0	17.38
160HSPE-2	50.80	28.58	31.55	14.29	130.1	134.9	48.2	7.2	61.90	588.0/132275	647.0	23.00
200HSPE-2	63.50	39.68	37.85	19.85	164.9	171.8	60.3	9.5	78.31	1091.0/245429	1200.0	38.50

注：中链板为外链板装配。
Note: central plates are press fit assembly.

SH系列高强度短节距重载滚子链

SH series high strength heavy duty short pitch roller chains

SH系列滚子链通过销轴整体淬硬其抗拉强度比A系列标准滚子链增加约25%-35%并能提供较高的抗振动负载，参数尺寸与重载系列滚子链相同。
SH series roller chains have a greater tensile strength (about an additional 25%-35%) over ANSI standard roller chains by using through hardened pins, these chains also provide a greater shock load resistance. The dimensions of the chain are identical to ANSI heavy series standard roller chains.



链号 Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length		内链板高度 Inner plate depth	链板厚度 Plate thickness	抗拉强度 Tensile strength	平均抗拉强度 Average tensile strength	每米长重 Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/lbf	kN	kg/m
*25SH	6.350	3.30	3.18	2.31	9.0	-	6.00	1.04	5.09/1157	5.6	0.11
*35SH	9.525	5.08	4.77	3.58	13.3	14.3	9.00	1.50	11.00/2500	13.6	0.41
40SH	12.700	7.95	7.85	3.96	18.8	19.9	12.00	2.03	22.40/5091	24.8	0.82
50SH	15.875	10.16	9.40	5.08	22.1	23.4	15.09	2.42	30.40/6909	36.2	1.25
60SH	19.050	11.91	12.57	5.94	29.2	31.6	18.00	3.25	44.10/10023	50.4	1.87
#5H63	19.050	14.29	9.55	7.30	27.9	-	19.60	4.15/3.25	65.70/14932	73.0	2.62
60SHF1	19.050	11.91	9.50	5.94	25.4	27.6	18.00	3.25	44.10/9914	48.5	1.77
#C60SHF2	19.050	12.70	11.10	7.11	29.3	-	18.90	4.0/3.25	61.80/13893	68.0	2.47
#C70SH	22.225	15.60	14.30	7.94	36.6	-	22.60	4.8/4.0	88.25/20056	98.0	3.75
#C70SHF1	22.225	15.60	14.30	7.93	35.8	-	23.50	4.8/4.0	81.40/18299	89.5	3.76
80SH	25.400	15.88	15.75	7.92	36.2	37.7	24.00	4.00	88.20/20045	93.0	3.10
955	28.575	21.30	17.46	11.10	46.8	-	30.60	6.4/5.6	142.10/35635	156.8	7.95
100SH	31.750	19.05	18.90	9.53	43.6	46.9	30.00	4.80	116.60/26500	129.1	4.52
120SH	38.100	22.23	25.22	11.10	53.5	57.5	35.70	5.60	158.20/35954	175.3	6.60
140SH	44.450	25.40	25.22	12.70	57.6	62.2	41.00	6.40	206.00/46818	266.5	8.30
160SH	50.800	28.58	31.55	14.27	68.2	73.0	47.80	7.20	274.00/62273	293.0	10.30
180SH	57.150	35.71	35.48	17.46	75.9	81.6	53.60	8.00	337.20/75803	370.9	14.83
200SH	63.500	39.68	37.85	19.85	86.6	93.5	60.00	9.50	506.10/115023	562.3	19.16
240SH	76.200	47.63	47.35	23.81	109.6	115.9	72.30	12.70	650.00/146120	715.0	30.40

*套筒链：表中滚子直径d1为套筒直径

*Bush chain: d1 in the table indicates the external diameter of the bush.

*直链板

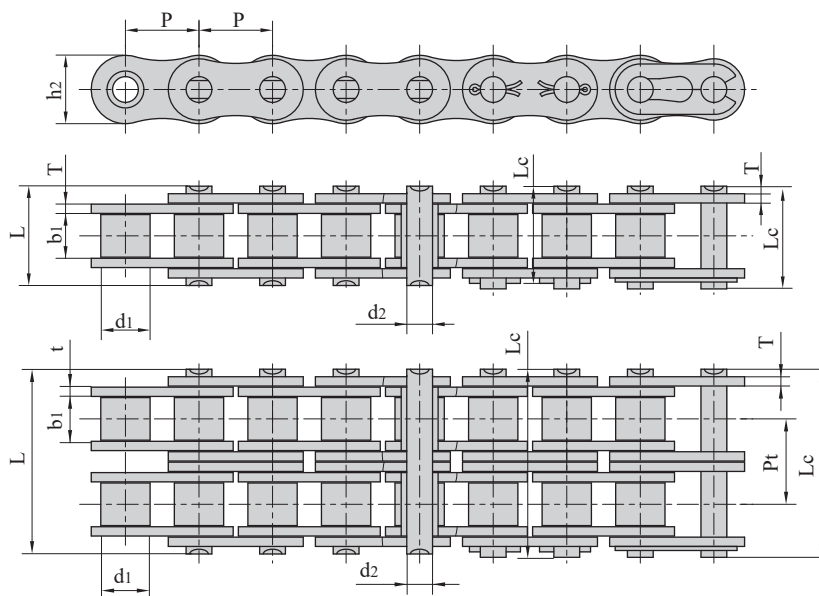
#Straight side plates

X3高性能滚子链

X3 series high performance roller chains

X³®系列高性能链条通过产品优化设计、采用先进制造工艺，并进行严格的质量控制。链条疲劳强度比ISO 606标准规定的同规格链条的疲劳强度提升60%以上，并提高了链条耐磨损性能。

X³® series high performance roller chains are based on optimized design, advanced technology and excellent quality control, fatigue strength is 60 percent more than ISO 606 standard roller chain of the same specification, and the wear resistant is increased.



链号	节距	滚子直径	内节内宽	销轴直径	销轴长度		内链板高度	链板厚度	排距	抗拉强度	平均抗拉强度	每米长重
Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Transverse pitch	Tensile strength	Average tensile strength	Weight per meter
	P	d ₁ max	b ₁ min	φ max	L max	L _c max	h ₂ max	t/T	Pt	Q _{min}	Q ₀	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/lbf	kN	kg/m
*06BX3-1	9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.30	-	10.0/2248	11.00	0.43
08BX3-1	12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60	-	21.0/4721	23.10	0.74
10BX3-1	15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70	-	28.5/6407	31.35	1.00
12BX3-1	19.050	12.07	11.68	5.72	22.50	24.20	16.00	1.85	-	33.0/7418	36.30	1.23
16BX3-1	25.400	15.88	17.02	8.28	36.10	37.40	21.00	4.15/3.10	-	70.0/15736	77.00	2.90
20BX3-1	31.750	19.05	19.56	10.19	41.30	45.00	26.50	4.50/3.50	-	106.7/23986	117.37	3.96
24BX3-1	38.100	25.40	25.40	14.63	53.40	57.80	33.20	6.00/4.80	-	176.0/39565	193.60	7.60
28BX3-1	44.450	27.94	30.99	15.90	65.10	69.50	36.70	7.50/6.00	-	230.0/51704	253.00	9.10
32BX3-1	50.800	29.21	30.99	17.81	66.00	71.00	42.00	7.00/6.00	-	280.0/62944	308.00	10.97
06BX3-2	9.525	6.35	5.72	3.28	23.40	24.40	8.20	1.30	10.24	18.5/4159	20.35	0.82
08BX3-2	12.700	8.51	7.75	4.45	31.00	32.20	11.80	1.60	13.92	36.0/8093	39.60	1.43
10BX3-2	15.875	10.16	9.65	5.08	36.10	37.50	14.70	1.70	16.59	55.6/12499	61.16	1.97
12BX3-2	19.050	12.07	11.68	5.72	42.00	43.60	16.00	1.85	19.46	63.5/14275	69.85	2.47
16BX3-2	25.400	15.88	17.02	8.28	68.00	69.30	21.00	4.15/3.10	31.88	121.9/27403	134.09	5.80
20BX3-2	31.750	19.05	19.56	10.19	7.80	81.50	26.50	4.50/3.50	36.45	211.2/47478	232.32	7.70
24BX3-2	38.100	25.40	25.40	14.63	101.70	106.20	33.20	6.00/4.80	48.36	308.0/69238	338.80	14.34
28BX3-2	44.450	27.94	30.99	15.90	124.60	129.10	36.70	7.50/6.00	59.56	414.0/93067	455.40	17.76
32BX3-2	50.800	29.21	30.99	17.81	124.60	129.60	42.00	7.00/6.00	58.55	504.0/113299	554.40	22.47

*直链板

*Straight side plates