



iRiS
chains

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SINCE
1935

Double pitch chains

Double pitch chains are a cost-effective solution for applications with lower speed and power transmission demands

Double pitch chains

Double pitch chains meet the same dimensions and specifications as the ISO 606 European and American standard chains, except for the pitch, which measures exactly twice their standard counterparts.

The longer pitch represents an extremely cost effective solution for applications where large centre distances exist and speed and power transmission demands are lower. The double pitch makes it possible to fit the rollers, and as a result, friction and tensile stress within the chain are greatly minimized for many applications.

These chains are also a lighter and more economical option thanks to the reduction of material, although they are built with the same quality and accuracy as the single-pitch equivalents.

Transmission type and conveyor type chains are produced, the latter feature straight side plates. American standard chains include versions with smaller or larger rollers. Additionally, they can be provided in normal plate or thicker plate versions.

SERVICES

*Many references **available in stock.***

Corrosion-resistant versions available
(delta tone, stainless steel).

Specific product on request
(Ex: enlarged bush inner diameter or transport rollers).

Matched pairs on request for chains working in parallel.

Chains of any length.

Highlights

- ▶ Dimensions according to ISO 1275.
- ▶ Higher fatigue strength due to optimized press fit of pin and outer plate.
- ▶ Higher tensile strength due to optimized plate strength.
- ▶ Tensile strength can be reduced by up to 20% if cranked links are fitted.
- ▶ Higher wear resistance.
- ▶ Minimum elongation due to wear and a long service life.
- ▶ Maximum rotating speed on the small sprocket: 500 r.p.m.

Double pitch roller chains - ISO 1275 (DIN 8181)

ISO SERIES

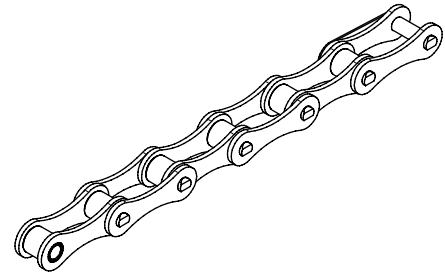
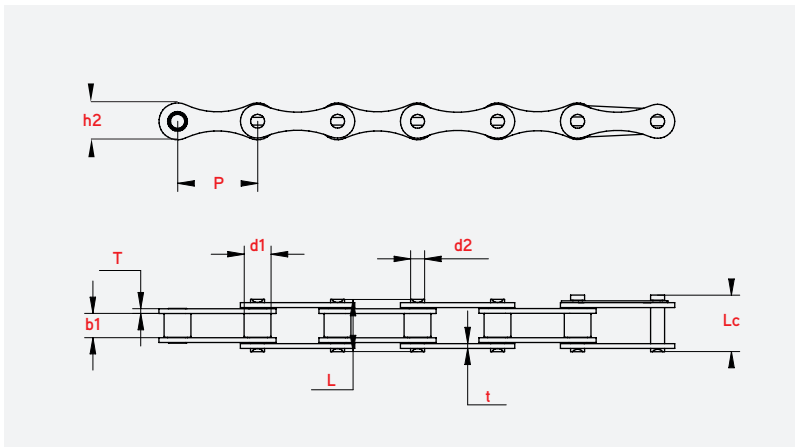
DIN/ISO No.	Material	Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Inner Plate depth	Plate thickness	Minimum Tensile strength	Weight per meter
		P mm	d1 max mm	b1 max mm	d2 max mm	L max mm	Lc max mm	h2 max mm	t/T max mm	Q min KN	q kg/m
208B	CS, DT, SS	25,400	8,51	7,75	4,45	16,70	18,20	11,80	1,60	18,00	0,45
210B	CS, DT, SS	31,750	10,16	9,65	5,08	19,50	20,90	14,70	1,70	22,40	0,65
212B	CS, DT, SS	38,100	12,07	11,68	5,72	22,50	25,20	16,00	1,85	29,00	0,76
216B	CS, DT, SS	50,800	15,88	17,02	8,28	36,10	39,10	21,00	4,15/3,1	60,00	1,75
220B	CS, DT, SS	63,500	19,05	19,56	10,19	41,30	45,00	26,40	4,5/3,4	95,00	2,62
224B	CS, DT, SS	76,200	25,40	25,40	14,63	53,40	57,80	33,20	6,0/4,8	160,00	4,70

ASA SERIES

DIN/ISO No.	ANSI No.	Material	Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Inner Plate depth	Plate thickness	Minimum Tensile strength	Weight per meter
			P mm	d1 max mm	b1 max mm	d2 max mm	L max mm	Lc max mm	h2 max mm	t/T max mm	Q min KN	q kg/m
208A	2040	CS, DT, SS	25,400	7,95	7,85	3,96	16,60	17,80	12,00	1,50	14,10	0,42
210A	2050	CS, DT, SS	31,750	10,16	9,40	5,08	20,70	22,20	15,00	2,03	22,20	0,73
212A	2060	CS, DT, SS	38,100	11,91	12,57	5,94	25,90	27,70	18,00	2,42	31,80	1,02
216A	2080	CS, DT, SS	50,800	15,88	15,75	7,92	32,70	36,50	24,00	3,25	56,70	1,70
216A H	2080 H	CS, DT, SS	50,800	15,88	15,75	7,92	36,20	39,40	24,00	4,00	56,70	2,17
220A	2100	CS, DT, SS	63,500	19,05	18,90	9,53	40,40	44,70	30,00	4,00	88,50	2,55
224A	2120	CS, DT, SS	76,200	22,23	25,22	11,10	50,30	54,30	35,70	4,80	127,00	4,06

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

Double pitch chains



Double pitch roller chains ISO 1275 - Straight side plates

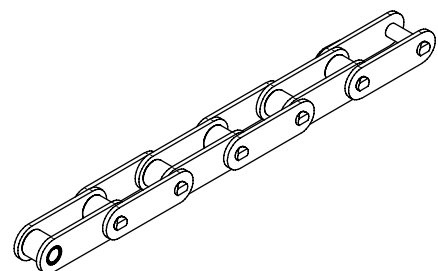
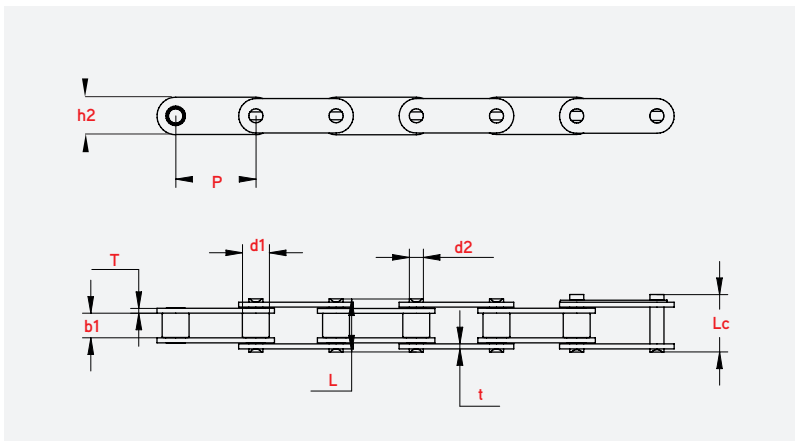
ASA SERIES STANDARD

DIN/ISO No.	ANSI No.	Material	Pitch P mm	Roller diameter d1 max mm	width between plates b1 max mm	Pin diameter d2 max mm	Pin length		Inner Plate depth h2 max mm	Plate thickness t/T max mm	Minimum Tensile strength Q min KN	Weight per meter q kg/m
C208A	C2040	CS, DT, SS	25,400	7,95	7,85	3,96	16,60	17,80	12,00	1,50	14,10	0,50
C210A	C2050	CS, DT, SS	31,750	10,16	9,40	5,08	20,70	22,20	15,00	2,03	22,20	0,78
C212A	C2060	CS, DT, SS	38,100	11,91	12,57	5,94	25,90	27,70	18,00	2,42	31,80	1,12
C216A	C2080	CS, DT, SS	50,800	15,88	15,75	7,92	32,70	36,50	24,00	3,25	56,70	2,08
C220A	C2100	CS, DT, SS	63,500	19,05	18,90	9,53	40,40	44,70	30,00	4,00	88,50	3,01
C224A	C2120	CS, DT, SS	72,200	22,23	25,22	11,10	50,30	54,30	35,70	4,80	127,00	4,66
C232A	C2160	CS, DT, SS	101,600	28,58	31,75	14,27	64,80	69,60	47,80	6,40	226,80	8,15

ASA SERIES HEAVY

DIN/ISO No.	ANSI No.	Material	Pitch P mm	Roller diameter d1 max mm	width between plates b1 max mm	Pin diameter d2 max mm	Pin length		Inner Plate depth h2 max mm	Plate thickness t/T max mm	Minimum Tensile strength Q min KN	Weight per meter q kg/m
C208A H	C2040 H	CS, DT, SS	25,400	7,95	7,85	3,96	18,80	19,90	12,00	2,03	14,10	0,65
C212A H	C2060 H	CS, DT, SS	38,100	11,91	12,57	5,94	29,20	31,60	18,00	3,25	31,80	1,44
C216A H	C2080 H	CS, DT, SS	50,800	15,88	15,75	7,92	36,20	39,40	24,00	4,00	56,70	2,54
C220A H	C2100 H	CS, DT, SS	63,500	19,05	18,90	9,53	43,60	46,90	30,00	4,80	88,50	3,56
C224A H	C2021H	CS, DT, SS	76,200	22,23	25,22	11,10	53,50	57,50	35,70	5,60	127,00	5,26
C232A H	C2160H	CS, DT, SS	101,60	28,58	31,75	14,27	68,20	73,00	47,8	7,20	226,8	9,06

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL



Double pitch chains

Double pitch roller chains ISO 1275 - Straight side plates - Oversize roller type

ASA SERIES STANDARD

			Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Inner Plate depth	Plate thickness	Minimum Tensile strength	Weight per meter
DIN/ISO No.	ANSI No.	Material	P mm	d1 max mm	b1 max mm	d2 max mm	L max mm	Lc max mm	h2 max mm	t/T max mm	Q min KN	q kg/m
C208AL	C2042	CS, DT, SS	25,400	15,88	7,85	3,96	16,60	17,80	12,00	1,50	14,10	0,84
C210AL	C2052	CS, DT, SS	31,750	19,05	9,40	5,08	20,70	22,20	15,00	2,03	22,20	1,27
C212AL	C2062	CS, DT, SS	38,100	22,23	12,57	5,94	25,90	27,70	18,00	2,42	31,80	1,61
C216AL	C2082	CS, DT, SS	50,800	28,58	15,75	7,92	32,70	36,50	24,00	3,25	56,70	3,12
C220AL	C2102	CS, DT, SS	63,500	39,67	18,90	9,53	40,40	44,70	30,00	4,00	88,50	4,83
C224AL	C2122	CS, DT, SS	76,200	44,45	25,22	11,10	50,30	54,30	35,70	4,80	127,00	7,66

ASA SERIES HEAVY

			Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Inner Plate depth	Plate thickness	Minimum Tensile strength	Weight per meter
DIN/ISO No.	ANSI No.	Material	P mm	d1 max mm	b1 max mm	d2 max mm	L max mm	Lc max mm	h2 max mm	t/T max mm	Q min KN	q kg/m
C212A HL	C2062 H	CS, DT, SS	38,100	22,23	12,57	5,94	29,20	31,60	18,00	3,25	31,80	2,07
C216A HL	C2082 H	CS, DT, SS	50,800	28,58	15,75	7,92	36,20	39,40	24,00	4,00	56,70	3,58
C220A HL	C2102 H	CS, DT, SS	63,500	39,67	18,90	9,53	43,60	46,90	30,00	4,80	88,50	5,38
C224A HL	C2122 H	CS, DT, SS	76,200	44,45	25,22	11,10	53,50	57,50	35,70	5,60	127,00	8,26

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