



RENOLD
Sovereign

Superior
abrasion resistance
chain

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RENOLD

Superior Technology

Start >>

Renold Sovereign

The benchmark for abrasion resistance

Some applications demand a specific solution. Trying to run a standard specification chain in a harsh environment will lead to dramatically reduced working life, possible chain failure and expensive downtime. All this can be avoided by specifying the chain that's designed for the job.

Abrasive environments such as brick and tile manufacture, which are characterised by dust and debris, are perfect examples of applications

that demand the inclusion of Renold Sovereign chain. The design of Renold Sovereign ensures greatly increased wear resistance. The chain is able to withstand the effect of dust and debris infiltrating the bearing areas between pins, bushes and plates, an effect that would quickly grind away a standard chain.



Applications

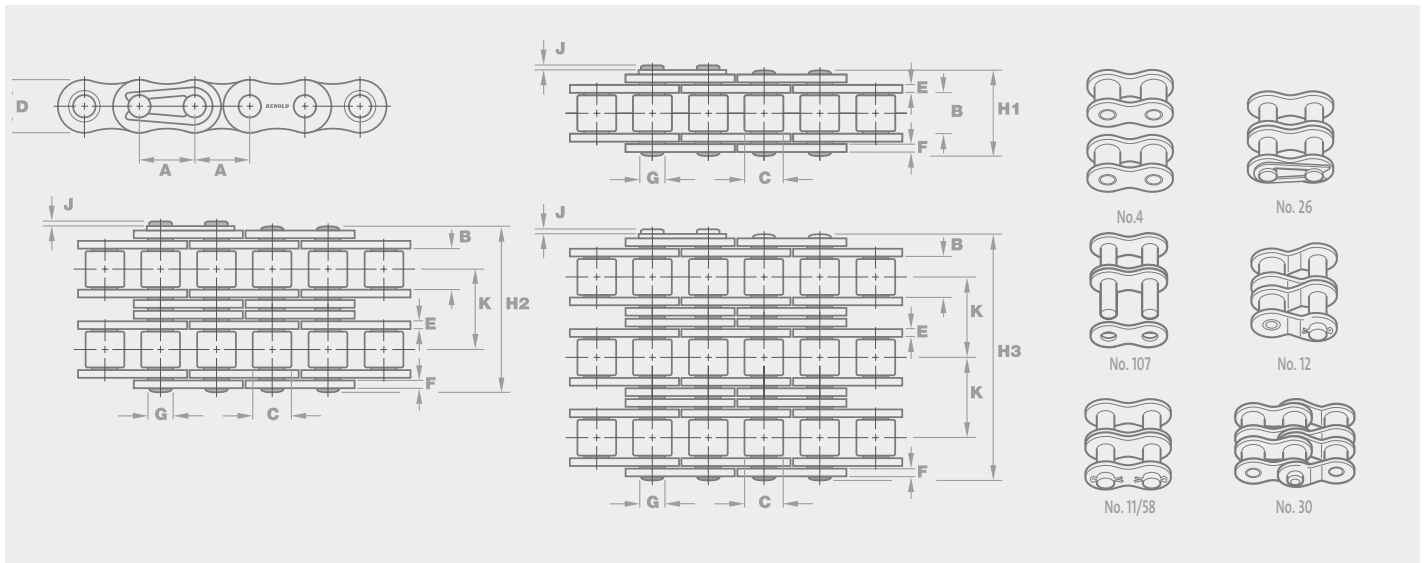
- Agricultural machinery
- Brick manufacture
- Ceramics
- Cementitious environments
- Metal working
- Roof tile production
- Timber processing

Features & Benefits

- Resilient, durable components
- Up to 3 times longer wear life than standard chain in harsh environments
- Up to 4 times longer wear life than low maintenance chain in harsh environments.
- Reduced pin wear
- Suitable for high speed or heavy load applications
- Excellent reliability giving reduced maintenance costs
- Ideal for situations of irregular or restricted maintenance

Renold Sovereign

European (BS) Standard / ISO 606 / ANSI Standard



Chain Ref.		Technical Details (mm)												Connecting Links	
Renold Chain No.	ISO Ref.	Pitch (inch)	Pitch (mm)	Inside Width	Roller Diam.	Plate Height	Plate Width Inner	Plate Width Outer	Pin Diam.	Pin Length	Conn. Link Extension	Transverse Pitch	ISO606 Tensile Strength (NEWTONS)	Weight	
					MIN	MAX	MAX	MAX	MAX	MAX	MAX	NOM	MIN	kg/m	

European (BS) Standard - Simplex

		A	A	B	C	D	E	F	G	H1	J	K			
08B1SO	08B-1	0.500	12.700	7.75	8.51	11.70	1.55	1.55	4.45	16.5	2.0	-	17800	0.70	4 107 26 30
10B1SO	10B-1	0.625	15.875	9.65	10.16	14.60	1.55	1.55	5.08	18.8	2.5	-	22200	0.96	4 107 26 30
12B1SO	12B-1	0.750	19.050	11.68	12.07	16.00	1.81	1.81	5.72	21.9	2.6	-	28900	1.22	4 107 26 30
16B1SO	16B-1	1.000	25.400	17.02	15.88	21.08	3.76	3.10	8.28	34.9	2.2	-	60000	2.80	4 107 26 12

European (BS) Standard - Duplex

		A	A	B	C	D	E	F	G	H2	J	K			
08B2SO	08B-2	0.500	12.700	7.75	8.51	11.70	1.55	1.55	4.45	30.4	2.0	13.92	31100	1.38	4 107 26 30
10B2SO	10B-2	0.625	15.875	9.65	10.16	14.60	1.55	1.55	5.08	35.4	2.5	16.59	44500	1.69	4 107 26 30
12B2SO	12B-2	0.750	19.050	11.68	12.07	16.00	1.81	1.81	5.72	41.4	2.6	19.46	57800	2.42	4 107 26 30
16B2SO	16B-2	1.000	25.400	17.02	15.88	21.08	3.76	3.10	8.28	66.8	2.2	31.88	106000	5.50	4 107 26 12

Chain Ref.		Technical Details (mm)												Connecting Links	
Renold Chain No.	ANSI Ref.	Pitch (inch)	Pitch (mm)	Inside Width	Roller Diam.	Plate Height	Plate Width Inner	Plate Width Outer	Pin Diam.	Pin Length	Conn. Link Extension	Transverse Pitch	ISO606 Tensile Strength (NEWTONS)	Weight	
					MIN	MAX	MAX	MAX	MAX	MAX	MAX	NOM	MIN	kg/m	

ANSI Standard - Simplex

		A	A	B	C	D	E	F	G	H1	J	K			
40A1SO	40-1	0.500	12.700	7.85	7.92	11.20	1.55	1.55	3.97	16.4	2.1	-	13900	0.60	4 107 11 26 12 30
50A1SO	50-1	0.625	15.875	9.40	10.16	14.60	2.04	2.04	5.08	20.4	2.7	-	21800	1.00	4 107 11 26 12 30
60A1SO	60-1	0.750	19.050	12.57	11.91	17.50	2.45	2.45	5.94	25.3	2.6	-	31300	1.47	4 107 11 26 12 30
80A1SO	80-1	1.000	25.400	15.75	15.88	24.13	3.25	3.25	7.94	32.7	3.0	-	55600	2.80	4 107 11 58 12

ANSI Standard - Duplex

		A	A	B	C	D	E	F	G	H2	J	K			
40A2SO	40-2	0.500	12.700	7.85	7.92	11.20	1.55	1.55	3.97	30.8	2.1	14.38	27800	1.20	4 107 11 26 12 30
50A2SO	50-2	0.625	15.875	9.40	10.16	14.60	2.04	2.04	5.08	38.4	2.7	18.11	43600	1.98	4 107 11 26 12 30
60A2SO	60-2	0.750	19.050	12.57	11.91	17.50	2.45	2.45	5.94	48.1	2.6	22.78	62600	2.91	4 107 11 26 12 30
80A2SO	80-2	1.000	25.400	15.75	15.88	24.13	3.25	3.25	7.94	61.9	3.0	29.29	111200	5.50	4 107 11 58 12

NB. Other sizes available on request.
Renold Sovereign is also available with straight side plates.

For more information
or to contact your
local sales team go
to **www.renold.com**

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