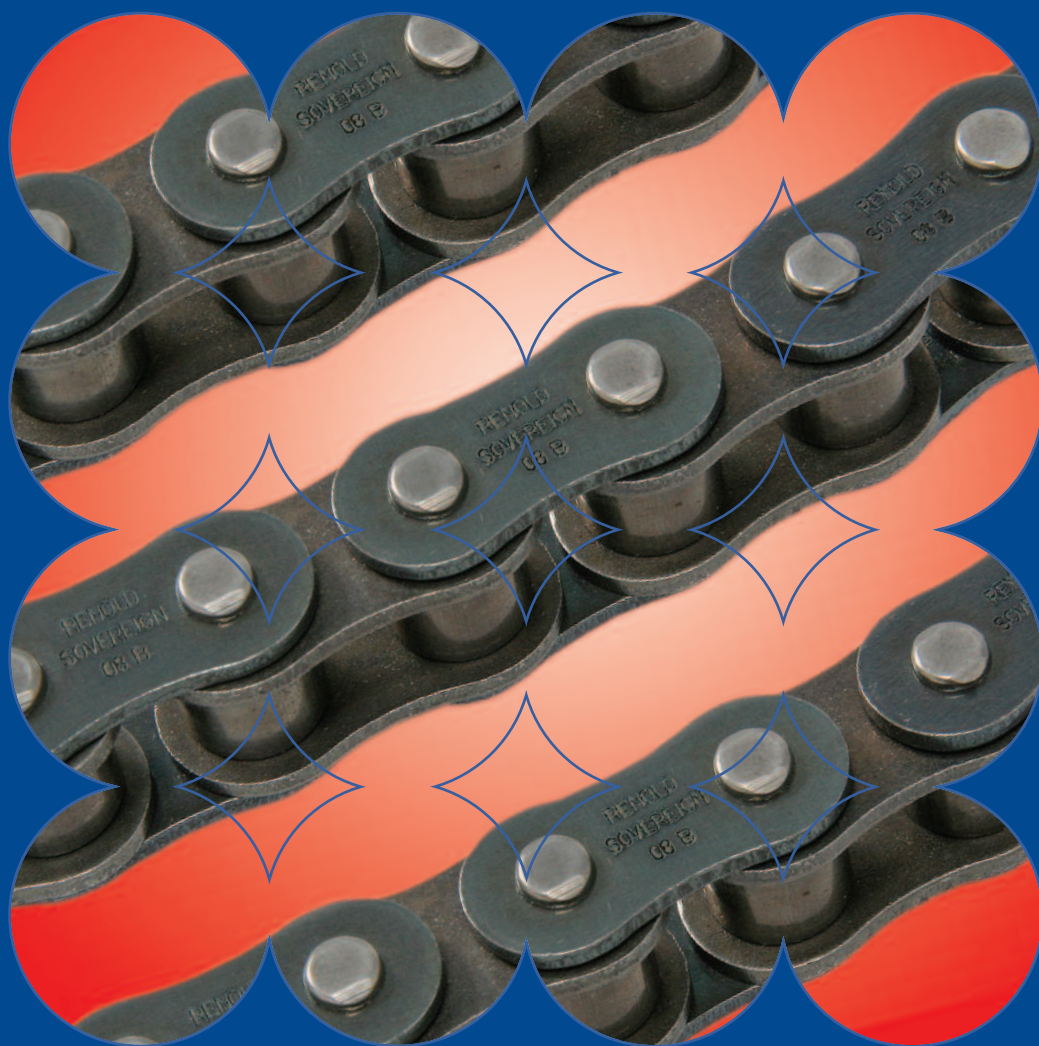


# *Renold Sovereign*

*Superior abrasion resistance chain*



**RENOLD**

*Superior Chain Technology*

# 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

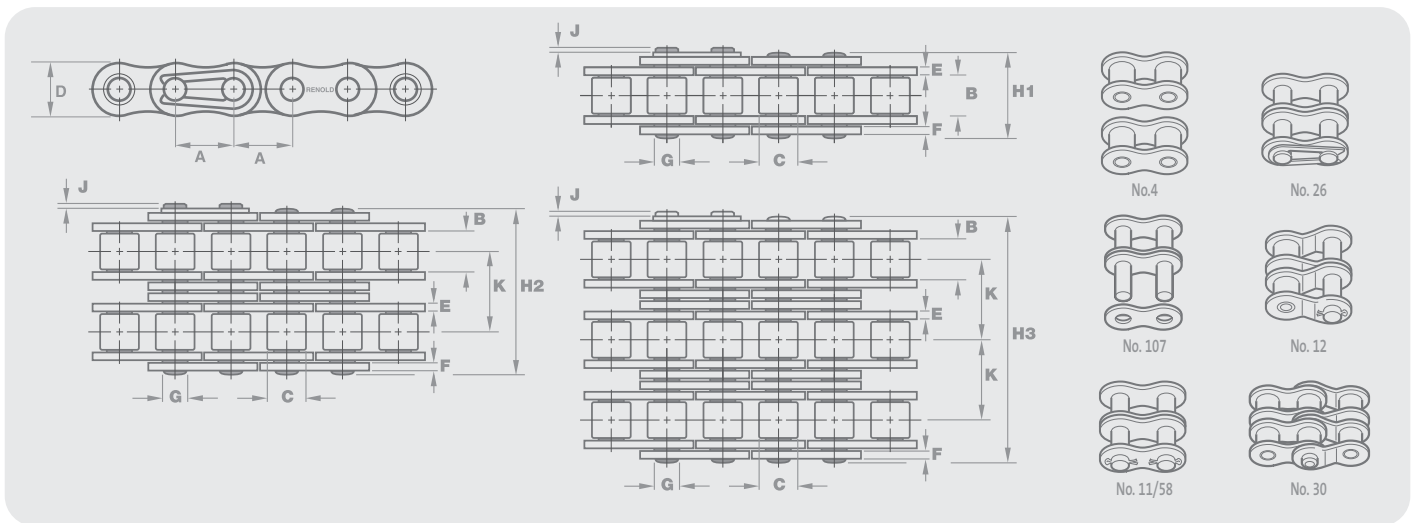
### Features & Benefits

- 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 kg/m	No. 4	No. 107	No. 11	No. 26	No. 12	No. 30
				MIN	MAX	MAX	MAX	MAX	MAX	MAX	MAX	NOM	MIN							

## 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	✓	✓	-	✓	-	✓
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	✓	✓	-	✓	-	✓
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	✓	✓	-	✓	-	✓
16B1SO	16B-1	1.000	25.400	17.02	15.88	21.08	4.12	3.10	8.28	34.9	2.2	-	60000	2.80	✓	✓	-	✓	✓	-

## 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	✓	✓	-	✓	-	✓
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	✓	✓	-	✓	-	✓
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	✓	✓	-	✓	-	✓
16B2SO	16B-2	1.000	25.400	17.02	15.88	21.08	4.12	3.10	8.28	66.8	2.2	31.88	106000	5.50	✓	✓	-	✓	✓	-

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 kg/m	No. 4	No. 107	No. 11	No. 26	No. 58	No. 12	No. 30
				MIN	MAX	MAX	MAX	MAX	MAX	MAX	MAX	NOM	MIN								

## 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	✓	✓	✓	✓	-	✓	✓
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	✓	✓	✓	✓	-	✓	✓
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	✓	✓	✓	✓	-	✓	✓
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	✓	✓	✓	-	✓	✓	-

## ANSI Standard - Duplex

		A	A	B	C	D	E	F	G	H1	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	✓	✓	✓	✓	-	✓	✓
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	✓	✓	✓	✓	-	✓	✓
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	✓	✓	✓	✓	-	✓	✓
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	✓	✓	✓	✓	-	✓	✓

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

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