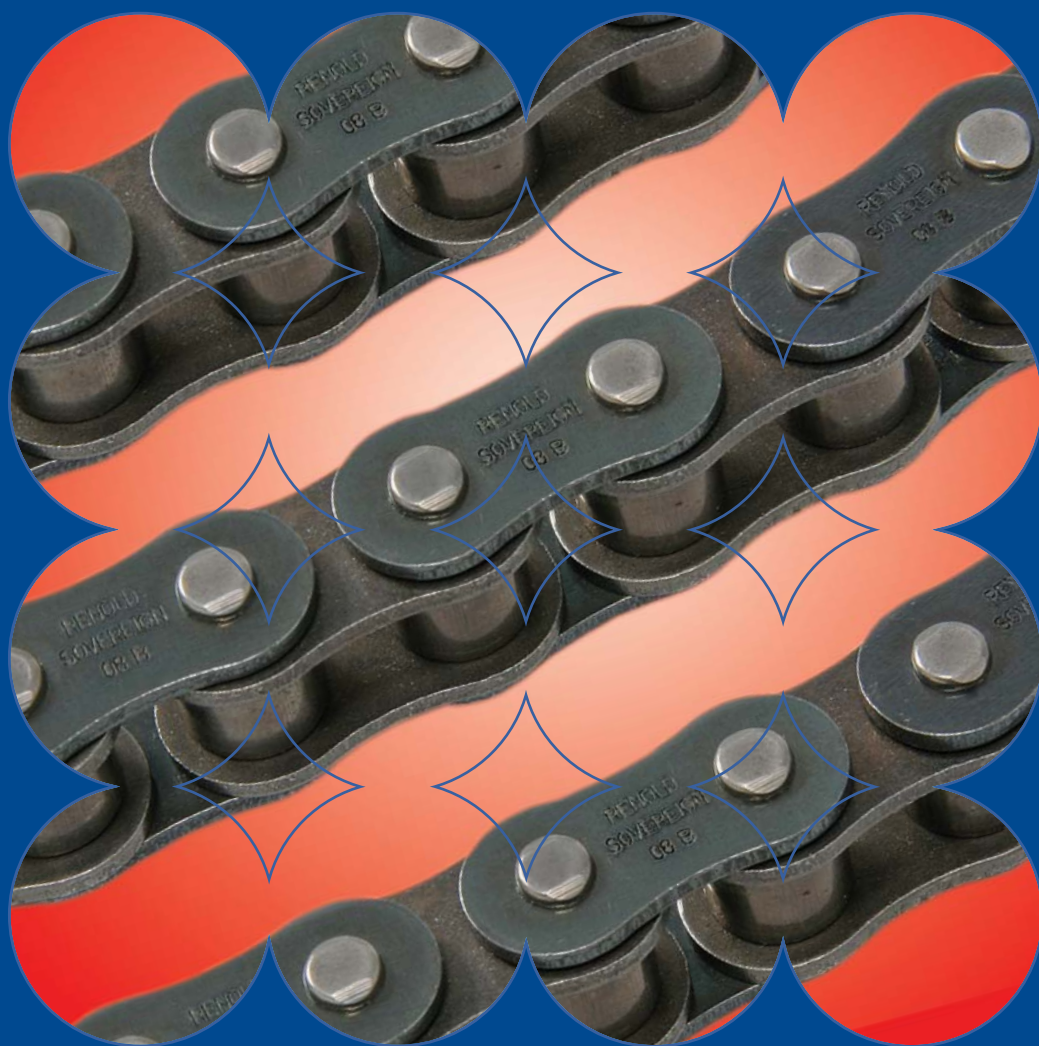


# *Renold Sovereign*

*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

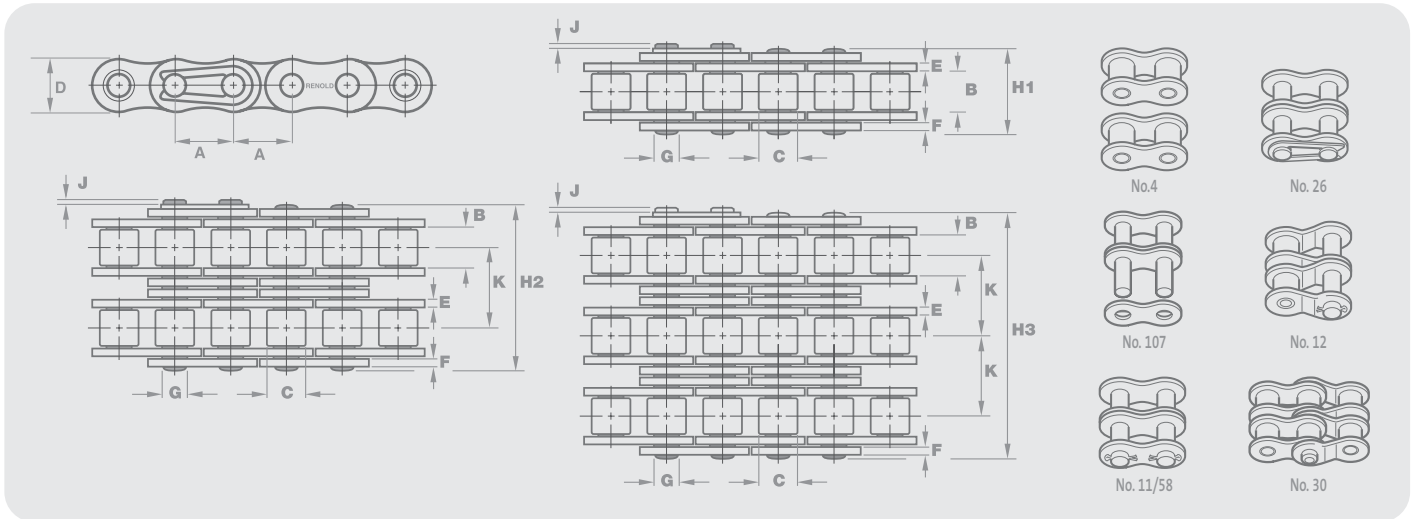
### Features & Benefits

- 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								
110846	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	✓	✓	-	✓	-	✓
110856	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	✓	✓	-	✓	-	✓
110866	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	✓	✓	-	✓	-	✓
110888	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								
114846	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	✓	✓	-	✓	-	✓
114856	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	✓	✓	-	✓	-	✓
114866	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	✓	✓	-	✓	-	✓
114888	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									
S040A1	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	✓	✓	✓	✓	-	✓	✓
S050A1	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	✓	✓	✓	✓	-	✓	✓
S060A1	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	✓	✓	✓	✓	-	✓	✓
S080A1	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									
S040A2	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	✓	✓	✓	✓	-	✓	✓
S050A2	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	✓	✓	✓	✓	-	✓	✓
S060A2	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	✓	✓	✓	✓	-	✓	✓
S080A2	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.

**Australia****Melbourne (Victoria)**

Tel: + 61 (0) 3 9262 3333  
Fax: + 61 (0) 3 9561 8561  
e-mail: melsmg@renold.com.au

*also at: Sydney, Brisbane, Adelaide, Perth,  
Newcastle, Wollongong, Townsville*

**Austria****Vienna**

Tel: + 43 (0) 1 330 3484  
Fax: + 43 (0) 1 330 3484-5  
e-mail: office@renold.at

*also at: Budapest (Hungary),  
Zlin (Czech Republic)*

**Belgium****Brussels**

Tel: + 32 (0) 2 201 1262  
Fax: + 32 (0) 2 203 2210  
e-mail: info@renold.be

**Canada****Brantford (Ontario)**

Tel: + 1 519 756 6118  
Fax: + 1 519 756 1767  
e-mail: inquiry@renoldcanada.com

*also at: Montreal*

**China****Shanghai**

Tel: + 21 5046 2696  
Fax: + 21 5046 2695  
e-mail: sales@renold.cn

**France****Seclin**

Tel: + 33 (0) 320 16 29 29  
Fax: + 33 (0) 320 16 29 00  
e-mail: contact@brampton-renold.com

**Germany****Einbeck**

Tel: + 49 (0) 5562 810  
Fax: + 49 (0) 5562 81130  
e-mail: info@renold.de

*also at: Düsseldorf*

**Malaysia****Selangor Darul Ehsan**

Tel: + 60 3-5122 7880  
Fax: + 60 3-5122 7881  
e-mail: sales@renoldmalaysia.com

*also at: Johor Bharu, Ipoh, Penang*

**Netherlands****Amsterdam**

Tel: + 31 (0)20 6146661  
Fax: + 31 (0)20 6146391  
e-mail: info@renold.nl

**New Zealand****Auckland**

Tel: + 64 9828 5018  
Fax: + 64 9828 5019  
e-mail: aksales@renold.co.nz

*also at: Christchurch*

**Philippines****Paranaque City**

Tel: + 63 2 829 6086  
Fax: + 63 2 826 5211

**Poland****c/o Einbeck (Germany)**

Tel: + 48 663 842 487

**Russia****Moscow**

Tel: + 7 495 645 2250  
Fax: + 7 495 645 2251  
e-mail: info@renold.ru

**Scandinavia****Hvidovre (Copenhagen)**

Tel: + 45 43 45 26 11  
Fax: + 45 43 45 65 92  
e-mail: infor@renold.com

**Singapore**

Tel: + 65 6760 2422  
Fax: + 65 6760 1507  
e-mail: sales@renold.sg

**South Africa****Benoni (Johannesburg)**

Tel: + 27 11 747 9500  
Fax: + 27 11 747 9505  
e-mail: sales@renold.co.za

*also at: Richards Bay,  
Port Elizabeth, Cape Town*

**Spain****Gavá (Barcelona)**

Tel: + 34 93 638 9641  
Fax: + 34 93 638 0737  
e-mail: spain@renold.com

**Switzerland****Dübendorf (Zürich)**

Tel: + 41 (0) 44 824 8484  
Fax: + 41 (0) 44 824 8411  
e-mail: duebendorf@renold.com

*also at: Crissier (Lausanne)*

**UK****Burton upon Trent**

Tel: + 44 (0) 1283 512940  
Fax: + 44 (0) 1283 512628  
e-mail: ukchain@renold.com

**USA****Morristown TN**

Tel: + 1 800 251 9012  
Fax: + 1 423 581 2399  
e-mail: sales@renoldjeffrey.com

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