

RENOLD

Sovereign™

**Superior Abrasion
Resistance Chain**



www.renold.com

RENOLD Sovereign™

The benchmark for abrasion resistance



The bearing pin on **Renold Sovereign** features a surface conditioning which, when combined with the strictly controlled geometric features of the bush, takes the performance of Renold chain to new levels of endurance in harsh environments.

As a result, Renold Sovereign provides a greater resistance to wear in adverse conditions such as dirty, dusty and abrasive environments including applications such as brick manufacturing, roof tile production and processes involving ceramic or cement dust or debris.

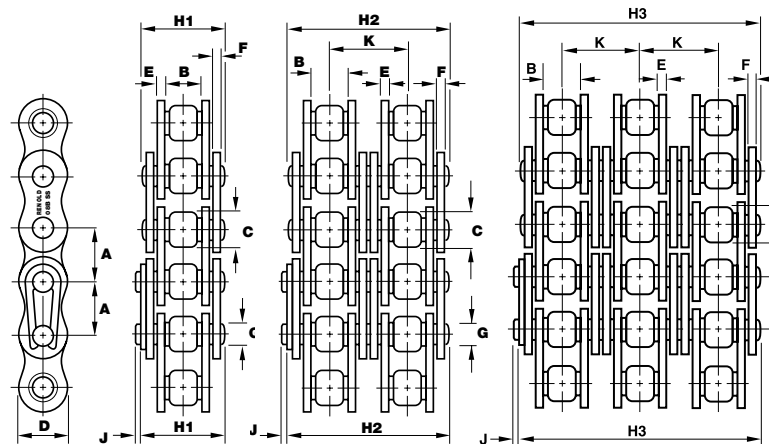
For more information on the performance and capabilities of Renold Sovereign, contact your local Renold Office (see back page for details).

APPLICATIONS

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

FEATURES & BENEFITS

- Resilient, durable components
- Up to 3 times longer wear life than standard chain in harsh environments
- Will be 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 (BS) Standard Superior Abrasion Resistance Chain-Simplex

Chain		Technical Details											Connecting Links						
ISO No.	Renold Chain No.	Pitch Inch	Pitch mm	Inside Width min	Roller Dia. max	Plate Height Inner max	Plate Height Outer max	Plate Width Inner max	Plate Width Outer max	Pin Dia. max	Pin Length max	Con Link Extra max	Breaking Load F _b Newtons Min	Weight kg/m	No. 4	No. 12	No. 26	No. 30	No. 107
		A	A	B	C	D	E	F	G	H1	J	K							
08B-1	110846	0.500	12.700	7.75	8.51	11.81	10.50	1.55	1.55	4.45	17.0	3.9	17800	0.70	✓	-	✓	✓	✓
10B-1	110856	0.625	15.875	9.65	10.16	14.73	12.80	1.55	1.55	5.08	19.6	4.1	22200	0.92	✓	-	✓	✓	✓
12B-1	110866	0.750	19.050	11.68	12.07	16.13	14.80	1.80	1.80	5.72	2.7	4.6	28900	1.20	✓	-	✓	✓	✓
16B-1	110888	1.000	25.400	17.02	15.88	21.08		4.12	3.10	8.28	36.1	5.4	60000	2.80	✓	✓	✓	-	✓

Renold Sovereign (BS) Standard Superior Abrasion Resistance Chain-Duplex

		A	A	B	C	D	E	F	G	H1	J	K			4	12	26	30	107
08B-2	114846	0.500	12.700	7.75	8.51	11.81	10.50	1.55	1.55	4.45	31.0	3.9	31100	1.38	✓	-	✓	✓	✓
10B-2	114856	0.625	15.875	9.65	10.16	14.73	12.80	1.55	1.55	5.08	36.2	4.1	44500	1.80	✓	-	✓	✓	✓
12B-2	114866	0.750	19.050	11.68	12.07	16.13	14.80	1.80	1.80	5.72	42.2	4.6	57800	2.40	✓	-	✓	✓	✓
16B-2	114888	1.000	25.400	17.02	15.88	21.08		4.12	3.10	8.28	68.0	5.4	106000	5.50	✓	✓	✓	-	✓

Renold Sovereign (BS) Standard Superior Abrasion Resistance Chain-Triplex

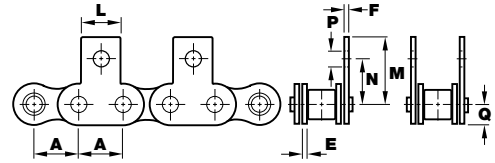
		A	A	B	C	D	E	F	G	H1	J	K			4	12	26	30	107
08B-3	116846	0.500	12.700	7.75	8.51	11.81	10.50	1.55	1.55	4.45	44.9	3.9	44500	2.06	✓	-	✓	✓	✓
10B-3	116856	0.625	15.875	9.65	10.16	14.73	12.80	1.55	1.55	5.08	52.8	4.1	66700	2.54	✓	-	✓	✓	✓
12B-3	116866	0.750	19.050	11.68	12.07	16.13	14.80	1.80	1.80	5.72	61.7	4.6	86700	3.60	✓	-	✓	✓	✓

RENOLD Sovereign™

Attachments

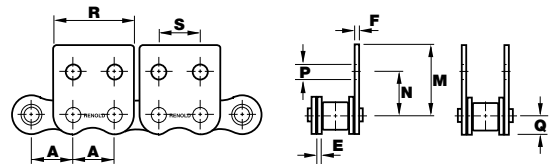
Renold Sovereign M1 attachments

ISO No.	Renold Chain No.	Pitch Inch	Pitch mm							
		A	A	E _{max}	F _{max}	L _{nominal}	M _{max}	N _{nominal}	P _{min}	Q _{max}
08B-1	181707	0.500	12.700	1.55	1.50	11.0	20.80	13.0	4.50	5.90
10B-1	180280	0.625	15.875	1.55	1.50	14.0	24.90	16.5	5.50	7.37
12B-1	185634	0.750	19.050	1.80	1.76	18.0	28.20	21.0	6.60	8.07
16B-1	187900	1.000	25.400	4.12	3.00	24.0	39.75	23.0	6.60	10.50



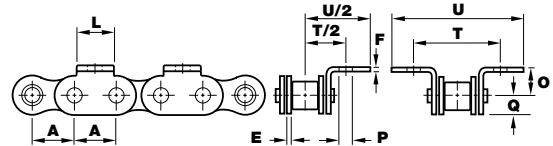
Renold Sovereign M2 attachments

ISO No.	Renold Chain No.	Pitch Inch	Pitch mm							
		A	A	F _{max}	M _{max}	N _{nominal}	P _{min}	Q _{max}	R _{nominal}	S _{nominal}
08B-1	181707	0.500	12.700	1.50	20.80	13.0	4.50	5.90	24.4	12.7
10B-1	180280	0.625	15.875	1.50	24.90	16.5	5.50	7.37	29.9	15.8
12B-1	185634	0.750	19.050	1.76	28.20	21.0	6.60	8.07	35.4	19.0
16B-1	187900	1.000	25.400	3.00	39.70	23.0	6.60	10.50	46.2	25.4



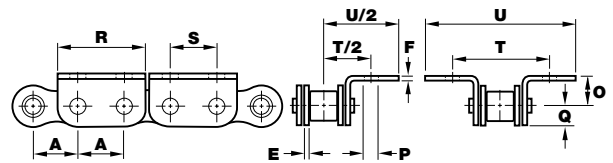
Renold Sovereign K1 attachments

ISO No.	Renold Chain No.	Pitch Inch	Pitch mm							
		A	A	F _{max}	L _{nominal}	O _{nominal}	P _{min}	Q _{max}	T _{nominal}	U _{max}
08B-1	181707	0.500	12.700	1.50	11.0	8.9	4.50	5.90	25.4	41.5
10B-1	180280	0.625	15.875	1.50	14.0	10.3	5.50	7.37	31.8	49.6
12B-1	185634	0.750	19.050	1.76	18.0	13.5	6.60	8.07	38.1	52.7
16B-1	187900	1.000	25.400	3.00	24.0	15.9	6.60	10.50	50.8	85.6



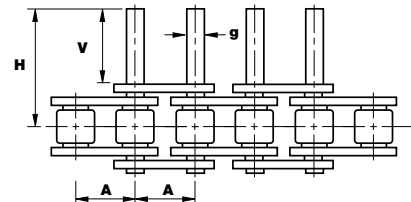
Renold Sovereign K2 attachments

ISO No.	Renold Chain No.	Pitch Inch	Pitch mm								
		A	A	F _{max}	O _{nominal}	P _{min}	Q _{max}	R _{nominal}	S _{nominal}	T _{nominal}	U _{max}
08B-1	181707	0.500	12.700	1.50	8.9	4.50	5.90	24.4	12.7	25.4	41.5
10B-1	180280	0.625	15.875	1.50	10.3	5.50	7.37	29.9	15.8	31.8	49.6
12B-1	185634	0.750	19.050	1.76	13.5	6.60	8.07	35.4	19.0	38.1	52.7
16B-1	187900	1.000	25.400	3.00	15.9	6.60	10.50	46.2	25.4	50.8	85.6



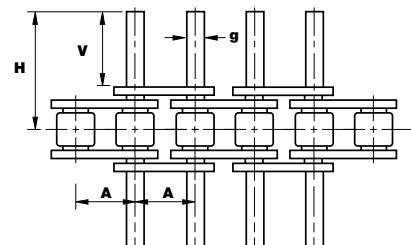
Extended Bearing Pins, one side

ISO No.	Renold Chain No.	Pitch Inch	Pitch mm			
		A	A	g	V	H
08B-1	181707	0.500	12.700	4.45	14.8	30.4
10B-1	180280	0.625	15.875	5.08	17.6	35.4
12B-1	185634	0.750	19.050	5.72	20.7	41.4
16B-1	187900	1.000	25.400	8.27	33.3	66.8



Extended Bearing Pins, both side

ISO No.	Renold Chain No.	Pitch Inch	Pitch mm			
		A	A	g	V2	H
08B-1	181707	0.500	12.700	4.45	7.9	30.4
10B-1	180280	0.625	15.875	5.08	9.3	35.4
12B-1	185634	0.750	19.050	5.72	10.9	41.4
16B-1	187900	1.000	25.400	8.27	17.4	66.8



N.B. All dimensions are in mm unless stated. ANSI standard attachments are also available. Please contact Renold for more information.



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