

RENOLD A&S

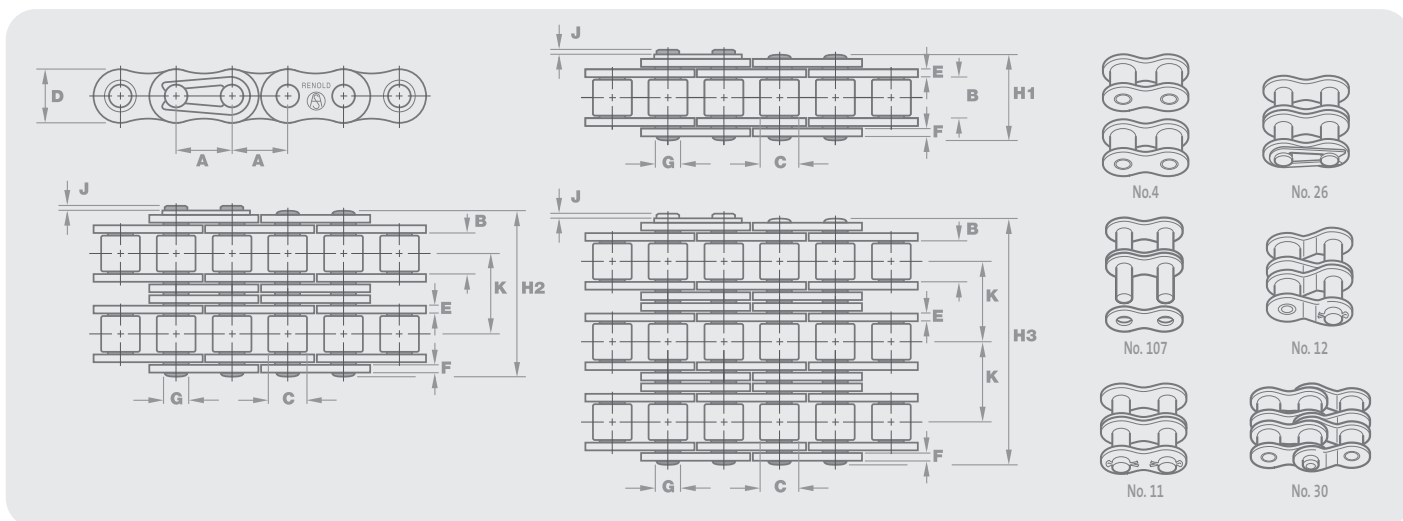


A&S.
More than just a chain.

RENOLD

Superior Chain Technology

Renold A&S Roller Chain



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	Weight	No. 4	No. 107	No. 11	No. 26	No. 12	No. 30
				MIN	MAX	MAX	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								
1000001	-	0.158	4.000	2.70	2.50	4.10	0.57	0.57	1.65	6.8	1.2	-	1800	0.07	✓	✓	✓	-	-	
1000002	03	0.197	5.000	2.50	3.20	4.10	0.60	0.60	1.49	7.4	1.3	-	2200	0.08	✓	✓	-	✓	-	✓
1000003	04	0.236	6.000	2.80	4.00	5.00	0.60	0.60	1.85	7.4	1.0	-	3000	0.12	✓	✓	-	✓	-	✓
AR05B1	05B-1	0.315	8.000	3.00	5.00	7.11	0.76	0.76	2.31	8.6	1.5	-	4400	0.18	✓	✓	-	✓	-	✓
AR06B1*	06B-1	0.375	9.525	5.72	6.35	8.20	1.29	1.04	3.28	12.5	1.3	-	8900	0.39	✓	✓	-	✓	-	✓
AR08B1**	08B-1	0.500	12.700	7.75	8.51	11.70	1.55	1.45	4.45	16.5	2.0	-	17800	0.70	✓	✓	-	✓	-	✓
AR10B1**	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	✓	✓	-	✓	-	✓
AR12B1**	12B-1	0.750	19.500	11.68	12.07	16.00	1.81	1.81	5.72	21.9	2.6	-	28900	1.22	✓	✓	-	✓	-	✓
AR16B1**	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	✓	✓	-	✓	✓	✓
AR20B1**	20B-1	1.250	31.750	19.56	19.05	26.42	4.62	3.61	10.19	39.8	2.7	-	95000	3.85	✓	✓	-	✓	✓	-
AR24B1**	24B-1	1.500	38.100	25.40	25.40	33.40	6.10	5.08	14.63	52.6	6.8	-	160000	7.45	✓	✓	-	✓	-	-
AR28B1	28B-1	1.750	44.450	30.99	27.94	37.08	7.62	6.35	15.90	64.2	6.8	-	200000	9.35	✓	✓	✓	-	✓	-
AR32B1	32B-1	2.000	50.800	30.99	29.21	42.29	7.11	6.35	17.81	63.4	8.0	-	250000	10.10	✓	✓	✓	-	✓	-
AR40B1	40B-1	2.500	63.500	39.30	39.37	52.96	8.13	8.13	22.89	78.2	9.5	-	355000	16.50	✓	✓	✓	-	✓	-

European (BS) Standard - Duplex

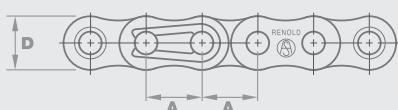
		A	A	B	C	D	E	F	G	H2	J	K								
1000004	04	0.236	6.000	2.80	4.00	5.00	0.60	0.60	1.85	7.4	1.0	5.50	6000	0.24	✓	✓	-	✓	-	✓
AR05B2	05B-2	0.315	8.000	3.00	5.00	7.11	0.76	0.76	2.31	14.3	1.5	5.64	7800	0.36	✓	✓	-	✓	-	✓
AR06B2*	06B-2	0.375	9.525	5.72	6.35	8.20	1.29	1.04	3.28	23.0	1.3	10.24	16900	0.78	✓	✓	-	✓	-	✓
AR08B2**	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	✓	✓	-	✓	-	✓
AR10B2**	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	✓	✓	-	✓	-	✓
AR12B2**	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	✓	✓	-	✓	-	✓
AR16B2**	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	✓	✓	-	✓	✓	-
AR20B2	20B-2	1.250	31.750	19.56	19.05	26.42	4.62	3.61	10.19	76.7	2.7	36.45	170000	7.80	✓	✓	-	✓	✓	-
AR24B2	24B-2	1.500	38.100	25.40	25.40	33.40	6.10	5.08	14.63	101.3	6.8	48.36	280000	14.80	✓	✓	✓	-	✓	-
AR28B2	28B-2	1.750	44.450	30.99	27.94	37.08	7.62	6.35	15.90	123.7	6.8	59.56	360000	18.60	✓	✓	✓	-	✓	-
AR32B2	32B-2	2.000	50.800	30.99	29.21	42.29	7.11	6.35	17.81	122.0	8.0	58.55	450000	20.10	✓	✓	✓	-	✓	-
AR40B2	40B-2	2.500	63.500	39.30	39.37	52.96	8.13	8.13	22.89	150.5	9.5	72.29	630000	32.80	✓	✓	✓	-	✓	-

European (BS) Standard - Triplex

		A	A	B	C	D	E	F	G	H3	J	K								
AR05B3	05B-3	0.315	8.000	3.00	5.00	7.11	0.76	0.76	2.31	19.9	1.5	5.64	11100	0.54	✓	✓	-	✓	-	✓
AR06B3*	06B-3	0.375	9.525	5.72	6.35	8.20	1.29	1.04	3.28	33.3	1.3	10.24	24900	1.11	✓	✓	-	✓	-	✓
AR08B3	08B-3	0.500	12.700	7.75	8.51	11.70	1.55	1.55	4.45	44.3	2.0	13.92	44500	2.06	✓	✓	-	✓	-	✓
AR10B3	10B-3	0.625	15.875	9.65	10.16	14.60	1.55	1.55	5.08	52.0	2.5	16.59	66700	2.54	✓	✓	-	✓	-	✓
AR12B3	12B-3	0.750	19.050	11.68	12.07	16.00	1.81	1.81	5.72	60.9	2.6	19.46	86700	3.59	✓	✓	-	✓	-	✓
AR16B3	16B-3	1.000	25.400	17.02	15.88	21.08	4.12	3.10	8.28	98.6	2.2	31.88	160000	8.15	✓	✓	-	✓	✓	-
AR20B3	20B-3	1.250	31.750	19.56	19.05	26.42	4.62	3.61	10.19	113.2	2.7	36.45	250000	11.65	✓	✓	-	✓	✓	-
AR24B3	24B-3	1.500	38.100	25.40	25.40	33.40	6.10	5.08	14.63	149.7	6.8	48.36	425000	22.25	✓	✓	✓	-	✓	-
AR28B3	28B-3	1.750	44.450	30.99	27.94	37.08	7.62	6.35	15.90	183.3	6.8	59.56	530000	28.00	✓	✓	✓	-	✓	-
AR32B3	32B-3	2.000	50.800	30.99	29.21	42.29	7.11	6.35	17.81	180.5	8.0	58.55	670000	30.00	✓	✓	✓	-	✓	-
AR40B3	40B-3	2.500	63.500	39.30	39.37	52.96	8.13	8.13	22.89	222.8	9.5	72.29	950000	48.90	✓	✓	✓	-	✓	-

* Only with straight plates ** Straight side plates available

ANSI Standard / ISO 606



Renold Chain products that are dimensionally in line with the ISO standard far exceed the stated ISO minimum tensile strength requirements. However Renold does not consider breaking load to be a key indicator of performance because it ignores the principal factors of wear and fatigue. In these areas, Renold products are designed to produce the best possible results and independent testing proves this. In this catalogue, where the ISO breaking load is quoted, it should be noted that we are stating that the A&S chain conforms to the ISO minimum standard. Independent test results show that the minimum (many companies quote averages) breaking loads are far in excess of the ISO minimum. For some chain types the product has no relevant ISO standard. In this case, the breaking loads quoted are the minimum guaranteed.



New A&S chain includes solid extruded bush and roller components, not the weaker curled bushes offered by some other manufacturers. This combination ensures that there are no concentrated areas of stress within the bearing area which dramatically reduce the working life of the chain by increasing wear.

The side plates have been upgraded to have a wider waist, a feature recognised as producing better stress distribution and thus improving the fatigue resistance of the chain.

This improves the chain's dynamic load capability. The heat treatment they receive as standard also contributes to their durability.

- *Available with wedge riveting*
- *Solid extruded bush*
- *Solid extruded roller*
- *High waisted plates*
- *Hardened and shot-peened plates*
- *Comprehensive European (BS) and ANSI standard ranges*
- *Choice of lubricant to meet customer's requirements*

A&S - more than just a chain